54.015.002

TECHNICAL DATA NOTEBOOK - SECTION 4.7 AND 4.8 - FINAL COMPUTER RUNS AND DISKETTES
HEC-2 ANALYSIS 100-YEAR FLOODPLAIN/FLOODWAY
DAGGS WASH
FCDMC NO. 92-08
A-N WEST NO. 7158-02

1993

FRAGILE DISKETTE ENCLOSED

```
*                                          *
* Version   4.6.2;  May 1991               *
*                                          *
* RUN DATE    03SEP93    TIME   07:19:58   *
********************************************
* HEC-2 WATER SURFACE PROFILES             *
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* HYDROLOGIC ENGINEERING CENTER      *
* 609 SECOND STREET, SUITE D         *
* DAVIS, CALIFORNIA 95616-4687       *
*          (916) 756-1104            *
****************************************
```


ARMY CORPS OF ENGINEERS
U.S.


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


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

THIS RUN EXECUTED 03SEP93 07:19:58

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************************************
 HEC-2 WATER SURFACE PROFILES

 Version   4.6.2;  May 1991
************************************


T1      DAGGS WASH FIS          FCDMC CONTRACT NO.:92-08      FILE:DGWH6
T2      100-YEAR WATER SURFACE PROFILE          A-N WEST INC. PHX. AZ.
T3      DAGGS WASH  100-YEAR PROFILE        DATE:5\18\93   AMMENDED:~~7\13\93~~
                                                            9\03\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	9911.8	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									
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	1288.2	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

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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
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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
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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    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
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
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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

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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
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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	
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		

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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
        RIGHT OVERBANK MODELED AS EFFECTIVE FOR POSSIBLE FLOW FROM CAP OVERCHUTE
        DIKES BREACHING AND OVERTOPPING CAP CANAL.
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
        SAME COMMENT AS FOR SECTION 3.109.
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
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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
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        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     .012      .012      .012
        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  1373.45    9976.3  1373.45   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   1380.8    9973.2  1373.35    9973.2  1373.35   10026.9  1380.75   10026.9

X1    3.285        4    9970.1   10030.0      6.2      6.2      6.2
GR   1381.2    9970.1  1373.35    9970.1  1373.35   10030.0  1381.15   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 (TOP OF WALL EL.=1381.9).
X1    3.287        4    9963.8   10036.2     12.5     12.5     12.5
GR   1381.9    9963.8  1373.35    9963.8  1373.35   10036.2   1381.9   10036.2

NC     .035      .035       .03
X1    3.291        4    9953.8   10046.2     22.1     22.1     22.1
GR   1382.2    9934.4   1373.3    9953.8   1373.3   10046.2   1382.2   10065.6

X1    3.299        4      9910     10082     38.4     38.4     38.4
GR   1382.4      9910   1373.3      9926   1373.3     10065   1382.2    10082

X1    3.302        4      9885     10116        20       20       20
GR   1382.7      9885   1373.3      9902   1373.3     10087   1382.3    10116
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END OF ROCK RIPRAP LINED DIKE TRANSITION.
THE ROCK RIPRAP LINED DIKES CURVE OUTWARD AS THEY EXTEND UPSTREAM FROM THE 47.33 FT. WIDE CONC. OVERCHUTE. THE RIPRAP LINED DIKE ON THE RT.SIDE ENDS APPROX. 115 FT. RT. OF THE CENTERLINE THRU THE OVERCHUTE. A COLLECTIVE DIKE OF COMPACTED FILL CONTINUES PERDENDICULAR TO FLOW FOR APPROX. ANOTHER 250 FT. BEFORE TRANSITIONING TO EX. HIGH GROUND.
THE RIPRAP LINED DIKE ON THE LEFT SIDE(LOOKING DOWNSTREAM) EXTENDS 155 FT. LT. OF THE CENTERLINE THRU THE OVERCHUTE. A COLLECTIVE DIKE OF COMPACTED FILL CONTINUES PERPENDICULAR TO FLOW FOR APPROX. ANOTHER 700 FT. LT. OF THE RIPRAP DIKE INTERFACE.
FIELD SURVEYS AT MAPPING DATUM (NGVD 1929) INDICATE A LOW TOP OF DIKE AT THE RT. SIDE (APPROX. 105 FT. RT OF CENTERLINE)OF 1382.3, AND A LOW TOP OF DIKE OF 1382.8 (APPROX. 420 FT. LT. OF CENTERLINE) ON THE LEFT SIDE, LOOKING DOWNSTREAM.
WITH THESE DIKES MODELED INTACT, THE PEAK 100-YR 24-HR DISCHARGE PONDING ELEVATION IS 1382.2. THIS IS WELL BELOW THE 3 TO 3.5 FT. OF FREEBOARD REQUIRED BY FEMA.
FOR THIS ANALYSIS THE LEVEES WERE MODELED INPLACE TO OBTAIN THE PEAK UPSTREAM PONDING ELEVATION POSSIBLE BEFORE BREACHING OF THE DIKES MIGHT OCCUR. DOWNSTREAM THE ATTENUATION OF PEAK FLOWS FROM 4957 TO 3277 CFS, DUE TO STORAGE ROUTING UPSTREAM OF THE OVERCHUTE WAS CONSIDERED APPROPRIATE. THIS WAS BECAUSE THE CAP CANAL WAS CONSIDERED CAPABLE OF INTERCEPTING THIS DIFFERENCE IN DISCHARGES OF 1680 CFS. THE CAP CANAL HAS A DESIGN DISCHARGE OF 3000 CFS WHICH IS CONVEYED IN A CONCRETE LINED CHANNEL WITH 1.5(H):1 (V) SIDESLOPES AND A 24 FT. BOTTOM WIDTH AT A LONG. SLOPE OF 0.00008 FT. /FT. THE DESIGN FLOW DEPTH IS 16.43 FT. THE CONCRETE LINING EXTENDS 3 FT. ABOVE DESIGN DEPTH (19.43 FT. ABOVE INVERT) AND A COMPACTED EARTH MAINTENANCE RD. EMBANKMENT 1.5 FT. ABOVE THE CONC. LINING (20.93 FT. ABOVE CANAL INVERT).
THE MAINT. RD. IS 24 FT. WIDE.
A ,HEC2 MODEL HYDRAULIC ANALYSISOF THE CAP CANAL INDICATED THAT THE THE FLOW DEPTH AT 4680 CFS (300CFS DESIGN AND 1680 CFS BREAKOUT) WAS 20.18 FT. DEEP ABOVE CANAL INVERT. FURTERMORE, BREAKOUT FROM THE CANAL WAS ESTIMATED TO START AT APPRX. 5300 CFS. OR AT APPROX.2300 CFS OF BREAKOUT.
THEREFORE THE ATTENUATED PEAK 100 YR. DISCHARGE OF 3277 CFS WAS USED DOWNSTREAM OF THE OVERCHUTE. THE CROSS-SECTIONS 3.109 AND 3.190 WERE MODELED WITH THE OVERBANKS EFFECTIVE TO MODEL POSSIBLE FLOW CROSSING THE CAP CANAL AND REENTERING DAGGS WASH.

X1	3.306	4	9855	10152	19.5	19.5	19.5	
GR	1382.9	9855	1373.3	9874	1373.3	10126	1382.6	10152
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

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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
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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	9263.5	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									
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	10289.5
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									
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		

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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
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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		

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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
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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	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

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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
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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

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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
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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

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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
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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
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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	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	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

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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
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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	1586.0	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									
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									
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								

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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
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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   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
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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		
X1	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		
X1	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	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

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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
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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

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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
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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.
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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

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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       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      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
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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

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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

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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
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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	1627.7	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		

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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
QT       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
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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
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        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                         9652.6  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
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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	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

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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
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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.
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    9527.8
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
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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.
X1   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
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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

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

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   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
  .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
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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	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	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	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	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	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	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 3.109
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

RIGHT OVERBANK MODELED AS EFFECTIVE FOR POSSIBLE FLOW FROM CAP OVERCHUTE
DIKES BREACHING AND OVERTOPPING CAP CANAL.

3.109	4.73	1361.53	1361.32	.00	1362.33	.79	2.68	.12	1360.30
3277.0	92.2	2782.2	402.6	30.7	363.5	137.9	262.9	200.7	1360.90
.95	3.00	7.65	2.92	.055	.035	.055	.000	1356.80	9828.17
.008166	550.	500.	470.	4	14	0	.00	347.86	10289.50

FLOW DISTRIBUTION FOR SECNO= 3.11 CWSEL= 1361.53

STA=	9828.	9852.	9977.	10196.	10224.	10235.	10289.
PER Q=	2.8	84.9	3.4	3.9	3.6	1.4	
AREA=	30.7	363.5	58.5	35.5	25.8	18.0	
VEL=	3.0	7.7	1.9	3.6	4.5	2.6	
DEPTH=	1.3	2.9	.3	1.3	2.5	.3	

1490 NH CARD USED
*SECNO 3.190

3265 DIVIDED FLOW

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

SAME COMMENT AS FOR SECTION 3.109.

3.190	8.16	1364.06	.00	.00	1364.59	.53	2.24	.03	1364.80
3277.0	.0	2280.6	996.4	.0	340.2	336.1	268.6	203.8	1361.00
.97	.00	6.70	2.96	.000	.038	.045	.000	1355.90	9935.49
.003728	440.	430.	390.	3	0	0	.00	329.39	10598.89

FLOW DISTRIBUTION FOR SECNO= 3.19 CWSEL= 1364.06

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=	9935.	10007.	10044.	10084.	10469.	10479.	10503.	10524.	10599.
PER Q=	69.6	11.4	3.0	5.2	3.1	3.3	3.8	.7	
AREA=	340.2	79.5	43.8	74.7	30.1	42.3	45.4	20.2	
VEL=	6.7	4.7	2.2	2.3	3.3	2.6	2.7	1.1	
DEPTH=	4.8	2.1	1.1	.2	2.9	1.8	2.1	.3	

*SECNO 3.247

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE 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	1.75	.57	1360.90
3277.0	323.6	2741.5	211.9	32.0	211.5	25.1	271.9	205.1	1360.50
.97	10.10	12.96	8.43	.032	.032	.032	.000	1360.00	9971.30
.009671	315.	315.	280.	20	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	211.5	25.1	
VEL=	6.2	11.9	13.0	8.4	
DEPTH=	4.0	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	272.0	205.1	1367.00
.98	.00	13.11	.00	.000	.030	.000	.000	1361.00	9976.30
.009963	20.	20.	20.	20	8	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= 3.25 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	272.1	205.1	1369.40
.98	.00	8.45	.00	.000	.030	.000	.000	1358.40	9976.31
.004602	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

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   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
    3.254      7.07   1368.47   1368.47       .00   1371.15      2.68       .06       .79   1372.40
   3277.0        .0    3277.0        .0        .0     249.2        .0     272.2     205.1   1372.40
      .98       .00     13.15       .00      .000      .030      .000      .000   1361.40   9976.34
  .018480        7.        7.        7.        20        19         0       .00     47.36  10023.70


FLOW DISTRIBUTION FOR SECNO=      3.25          CWSEL=   1368.47

STA=    9976.   10024.
  PER Q=    100.0
   AREA=    249.2
    VEL=     13.1
  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     272.2     205.2   1375.40
      .98       .00     13.12       .00      .000      .030      .000      .000   1364.40   9976.34
  .018339        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     249.7        .0     272.2     205.2   1378.50
      .98       .00     13.12       .00      .000      .030      .000      .000   1367.50   9976.34
  .018369        7.        7.        7.        20         5         0       .00     47.36  10023.70
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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= 1374.58

STA= 9976. 10024.
PER Q= 100.0
AREA= 249.7
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	272.3	205.2	1381.50
.98	.00	13.12	.00	.000	.030	.000	.000	1370.50	9976.34
.018365	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

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	272.3	205.2	1380.30
.98	.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 = 3.41

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	272.3	205.2	1380.30
.98	.00	6.35	.00	.000	.012	.000	.000	1369.37	9976.30
.000181	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	272.5	205.2	1380.30
.98	.00	6.35	.00	.000	.012	.000	.000	1369.37	9976.30
.000180	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	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 3.264

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .42

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	6.13	1379.58	.00	.00	1381.56	1.97	.00	.67	1380.30
3277.0	.0	3277.0	.0	.0	290.7	.0	272.6	205.2	1380.30
.98	.00	11.27	.00	.000	.012	.000	.000	1373.45	9976.30
.001004	13.	13.	13.	3	0	0	.00	47.40	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.26 CWSEL= 1379.58

STA= 9976. 10024.
PER Q= 100.0
AREA= 290.7
VEL= 11.3
DEPTH= 6.1

*SECNO 3.267

3.267	6.15	1379.60	.00	.00	1381.57	1.97	.01	.00	1380.30
3277.0	.0	3277.0	.0	.0	291.2	.0	272.7	205.2	1380.30
.98	.00	11.25	.00	.000	.012	.000	.000	1373.45	9976.30
.000998	12.	12.	12.	1	0	0	.00	47.40	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.27 CWSEL= 1379.60

STA= 9976. 10024.
PER Q= 100.0
AREA= 291.2
VEL= 11.3
DEPTH= 6.1

*SECNO 3.269

3.269	6.26	1379.71	.00	.00	1381.60	1.89	.01	.02	1380.30
3277.0	.0	3277.0	.0	.0	296.7	.0	272.7	205.2	1380.30
.98	.00	11.04	.00	.000	.012	.000	.000	1373.45	9976.30
.000942	12.	12.	12.	2	0	0	.00	47.40	10023.70

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   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=   1379.71

STA=    9976.   10024.
  PER Q=    100.0
   AREA=    296.7
    VEL=     11.0
  DEPTH=      6.3

*SECNO 3.273
    3.273      6.35   1379.80       .00       .00   1381.64      1.84       .02       .02   1380.30
   3277.0        .0    3277.0        .0        .0     300.9        .0     272.9     205.3   1380.30
      .98       .00     10.89       .00      .000      .012      .000      .000   1373.45   9976.30
  .000902       24.       24.       24.         2         0         0       .00     47.40  10023.70


FLOW DISTRIBUTION FOR SECNO=     3.27        CWSEL=   1379.80

STA=    9976.   10024.
  PER Q=    100.0
   AREA=    300.9
    VEL=     10.9
  DEPTH=      6.3

*SECNO 3.282
       END CONCRETE OVERCHUTE FLUME. BEGIN CONCRETE INLET TRANSITION.
    3.282      6.51   1379.96       .00       .00   1381.71      1.75       .04       .03   1380.30
   3277.0        .0    3277.0        .0        .0     308.5        .0     273.2     205.3   1380.30
      .98       .00     10.62       .00      .000      .012      .000      .000   1373.45   9976.30
  .000836       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=    308.5
    VEL=     10.6
  DEPTH=      6.5
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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 .17 FEET

3301 HV CHANGED MORE THAN HVINS

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

3.284	7.58	1380.93	.00	.00	1381.93	1.01	.00	.22	1380.80
3277.0	.0	3277.0	.0	.0	406.4	.0	273.3	205.3	1380.75
.98	.00	8.06	.00	.000	.012	.000	.000	1373.35	9973.20
.000397	6.	6.	6.	3	0	0	.00	53.70	10026.90

FLOW DISTRIBUTION FOR SECNO= 3.28 CWSEL= 1380.93

STA= 9973. 10027.
PER Q= 100.0
AREA= 406.4
VEL= 8.1
DEPTH= 7.6

*SECNO 3.285
3280 CROSS SECTION 3.29 EXTENDED .13 FEET

3.285	7.93	1381.28	.00	.00	1382.02	.74	.00	.08	1381.20
3277.0	.0	3277.0	.0	.0	475.2	.0	273.4	205.3	1381.15
.98	.00	6.90	.00	.000	.012	.000	.000	1373.35	9970.10
.000268	6.	6.	6.	2	0	0	.00	59.90	10030.00

FLOW DISTRIBUTION FOR SECNO= 3.29 CWSEL= 1381.28

STA= 9970. 10030.
PER Q= 100.0
AREA= 475.2
VEL= 6.9
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 (TOP OF WALL EL.=1381.9).

3.287	8.29	1381.64	.00	.00	1382.10	.46	.00	.08	1381.90
3277.0	.0	3277.0	.0	.0	600.4	.0	273.5	205.3	1381.90
.98	.00	5.46	.00	.000	.012	.000	.000	1373.35	9963.80
.000152	13.	13.	13.	2	0	0	.00	72.40	10036.20

FLOW DISTRIBUTION FOR SECNO= 3.29 CWSEL= 1381.64

STA=	9964.	10036.
PER Q=	100.0	
AREA=	600.4	
VEL=	5.5	
DEPTH=	8.3	

*SECNO 3.291

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

3.291	8.69	1381.99	.00	.00	1382.19	.20	.00	.08	1373.30
3277.0	154.2	2968.6	154.2	82.3	803.0	82.3	273.9	205.4	1373.30
.98	1.87	3.70	1.87	.035	.030	.035	.000	1373.30	9934.86
.000312	22.	22.	22.	2	0	0	.00	130.29	10065.14

FLOW DISTRIBUTION FOR SECNO= 3.29 CWSEL= 1381.99

STA=	9935.	9954.	10046.	10065.
PER Q=	4.7	90.6	4.7	
AREA=	82.3	803.0	82.3	
VEL=	1.9	3.7	1.9	
DEPTH=	4.3	8.7	4.3	

*SECNO 3.299

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

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
3.299	8.84	1382.14	.00	.00	1382.23	.09	.01	.03	1382.40
3277.0	.0	3277.0	.0	.0	1372.0	.0	274.9	205.5	1382.20
.99	.00	2.39	.00	.000	.030	.000	.000	1373.30	9910.46
.000150	38.	38.	38.	2	0	0	.00	171.43	10081.88

FLOW DISTRIBUTION FOR SECNO= 3.30 CWSEL= 1382.14

STA= 9910. 10082.
PER Q= 100.0
AREA= 1372.0
VEL= 2.4
DEPTH= 8.0

*SECNO 3.302

3.302	8.89	1382.19	.00	.00	1382.24	.05	.00	.01	1382.70
3277.0	.0	3277.0	.0	.0	1844.1	.0	275.7	205.6	1382.30
.99	.00	1.78	.00	.000	.030	.000	.000	1373.30	9885.92
.000082	20.	20.	20.	2	0	0	.00	229.74	10115.66

FLOW DISTRIBUTION FOR SECNO= 3.30 CWSEL= 1382.19

STA= 9886. 10116.
PER Q= 100.0
AREA= 1844.1
VEL= 1.8
DEPTH= 8.0

*SECNO 3.306

END OF ROCK RIPRAP LINED DIKE TRANSITION.
THE ROCK RIPRAP LINED DIKES CURVE OUTWARD AS THEY EXTEND UPSTREAM FROM THE 47.33 FT. WIDE CONC. OVERCHUTE. THE RIPRAP LINED DIKE ON THE RT.SIDE ENDS APPROX. 115 FT. RT. OF THE CENTERLINE THRU THE OVERCHUTE. A COLLECTIVE DIKE OF COMPACTED FILL CONTINUES PERDENDICULAR TO FLOW FOR APPROX. ANOTHER 250 FT. BEFORE TRANSITIONING TO EX. HIGH GROUND.
THE RIPRAP LINED DIKE ON THE LEFT SIDE(LOOKING DOWNSTREAM) EXTENDS 155 FT. LT. OF THE CENTERLINE THRU THE OVERCHUTE. A COLLECTIVE DIKE OF COMPACTED FILL CONTINUES PERPENDICULAR TO FLOW FOR APPROX. ANOTHER 700 FT. LT. OF THE RIPRAP DIKE INTERFACE.
FIELD SURVEYS AT MAPPING DATUM (NGVD 1929) INDICATE A LOW TOP OF DIKE

AT THE RT. SIDE (APPROX. 105 FT. RT OF CENTERLINE)OF 1382.3, AND A LOW TOP OF DIKE OF 1382.8 (APPROX. 420 FT. LT. OF CENTERLINE) ON THE LEFT SIDE, LOOKING DOWNSTREAM.
WITH THESE DIKES MODELED INTACT, THE PEAK 100-YR 24-HR DISCHARGE PONDING ELEVATION IS 1382.2. THIS IS WELL BELOW THE 3 TO 3.5 FT. OF FREEBOARD REQUIRED BY FEMA.
FOR THIS ANALYSIS THE LEVEES WERE MODELED INPLACE TO OBTAIN THE PEAK UPSTREAM PONDING ELEVATION POSSIBLE BEFORE BREACHING OF THE DIKES MIGHT OCCUR. DOWNSTREAM THE ATTENUATION OF PEAK FLOWS FROM 4957 TO 3277 CFS, DUE TO STORAGE ROUTING UPSTREAM OF THE OVERCHUTE WAS CONSIDERED APPROPRIATE. THIS WAS BECAUSE THE CAP CANAL WAS CONSIDERED CAPABLE OF INTERCEPTING THIS DIFFERENCE IN DISCHARGES OF 1680 CFS. THE CAP CANAL HAS A DESIGN DISCHARGE OF 3000 CFS WHICH IS CONVEYED IN A CONCRETE LINED CHANNEL WITH 1.5(H):1 (V) SIDESLOPES AND A 24 FT. BOTTOM WIDTH AT A LONG. SLOPE OF 0.00008 FT. /FT. THE DESIGN FLOW DEPTH IS 16.43 FT. THE CONCRETE LINING EXTENDS 3 FT. ABOVE DESIGN DEPTH (19.43 FT. ABOVE INVERT) AND A COMPACTED EARTH MAINTENANCE RD. EMBANKMENT 1.5 FT. ABOVE THE CONC. LINING (20.93 FT. ABOVE CANAL INVERT).
THE MAINT. RD. IS 24 FT. WIDE.
A ,HEC2 MODEL HYDRAULIC ANALYSISOF THE CAP CANAL INDICATED THAT THE THE FLOW DEPTH AT 4680 CFS (300CFS DESIGN AND 1680 CFS BREAKOUT) WAS 20.18 FT. DEEP ABOVE CANAL INVERT. FURTERMORE, BREAKOUT FROM THE CANAL WAS ESTIMATED TO START AT APPRX. 5300 CFS. OR AT APPROX.2300 CFS OF BREAKOUT.
THEREFORE THE ATTENUATED PEAK 100 YR. DISCHARGE OF 3277 CFS WAS USED DOWNSTREAM OF THE OVERCHUTE. THE CROSS-SECTIONS 3.109 AND 3.190 WERE MODELED WITH THE OVERBANKS EFFECTIVE TO MODEL POSSIBLE FLOW CROSSING THE CAP CANAL AND REENTERING DAGGS WASH.

3.306	8.92	1382.22	.00	.00	1382.25	.03	.00	.01	1382.90
3277.0	.0	3277.0	.0	.0	2438.2	.0	276.6	205.7	1382.60
.99	.00	1.34	.00	.000	.030	.000	.000	1373.30	9856.34
.000045	20.	20.	20.	2	0	0	.00	294.60	10150.94

FLOW DISTRIBUTION FOR SECNO= 3.31 CWSEL= 1382.22

STA= 9856. 10152.
PER Q= 100.0
AREA= 2438.2
VEL= 1.3
DEPTH= 8.3

CCHV= .100 CEHV= .300
*SECNO 3.328

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.05

100-YR. 24-HR DISCHARGE FROM JACKRABBIT WASH FIS HEC-1 MODEL.

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      HEC-1 CONC. PT. I.D.=C90I.  (D.A.=26.14 SQ. MI.)
    3.328     11.14   1382.24      .00      .00   1382.25      .01      .00      .00   1373.80
   4957.0     870.0    3793.5    293.5   2095.5    3737.9    622.5    285.8    207.2   1372.60
     1.02       .42      1.01      .47     .055      .032     .055     .000  1371.10   9394.11
  .000024       90.       90.      90.        1         0        0      .00  1104.13  10498.24


FLOW DISTRIBUTION FOR SECNO=      3.33          CWSEL=   1382.24

STA=    9394.    9767.    9838.    9888.    9942.    9975.   10375.   10425.   10498.
  PER Q=      3.2      3.4      3.1      4.6      3.2     76.5      4.8      1.1
   AREA=    653.1    396.0    331.7    429.0    285.7   3737.9    427.5    195.1
    VEL=       .2       .4       .5       .5       .6      1.0       .6       .3
  DEPTH=      1.8      5.6      6.6      7.9      8.7      9.4      8.5      2.7

1490 NH CARD USED
*SECNO 3.418
      SERVICE\ACCESS ROAD ALONG CAP CANAL. NO CULVERTS;AT-GRADE;UNPAVED;
      MINIMAL GRADING;
    3.418      8.96   1382.26      .00      .00   1382.27      .00      .01      .00   1373.30
   4957.0    1704.7    1336.4   1915.8   2852.5    2248.5   3768.4    368.0    220.6   1375.00
     1.25       .60       .59      .51     .059      .063     .060     .000  1373.30   9306.88
  .000039      460.      475.     465.        0         0        0      .00  1397.43  10704.31


FLOW DISTRIBUTION FOR SECNO=      3.42          CWSEL=   1382.26

STA=    9307.    9433.    9490.    9577.    9627.    9723.    9729.    9991.   10007.   10087.   10139.   10211.   10252.
  PER Q=      5.0      4.7      9.3      5.0      9.8       .6     25.0      2.0      6.2      4.2      5.7      3.7
   AREA=    515.8    383.4    686.7    397.2    817.8     51.7   2132.6    115.9    575.5    381.4    527.3    318.7
    VEL=       .5       .6       .7       .6       .6       .6       .6       .8       .5       .5       .5       .6
  DEPTH=      4.1      6.8      7.9      8.0      8.5      8.9      8.2      6.9      7.3      7.3      7.3      7.9

STA=   10252.   10300.   10354.   10460.   10593.   10678.   10704.
  PER Q=      4.7      3.0      3.0      4.8      3.2       .1
   AREA=    366.2    289.0    379.7    542.8    358.4     29.3
    VEL=       .6       .5       .4       .4       .4       .2
  DEPTH=      7.6      5.4      3.6      4.1      4.2      1.1

1490 NH CARD USED
*SECNO 3.507

3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =   .35

    3.507      5.90   1382.30      .00      .00   1382.32      .02      .04      .00   1377.60
   4957.0     971.1    2784.9   1201.0    913.0    2305.2   1027.5    442.2    234.3   1378.50
     1.37      1.06      1.21     1.17     .055      .064     .063     .000  1376.40   9255.99
  .000327       550.      470.     470.        1         0        0      .00  1030.77  10286.77
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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= 3.51 CWSEL= 1382.30

STA=	9256.	9407.	9454.	9583.	9987.	10000.	10055.	10121.	10202.	10238.	10265.	10287.
PER Q=	3.3	3.2	13.0	49.3	2.1	4.8	5.8	9.1	4.3	4.0	1.0	
AREA=	240.7	151.0	521.2	2021.7	57.0	226.4	270.2	385.6	179.7	137.0	55.0	
VEL=	.7	1.1	1.2	1.2	1.8	1.1	1.1	1.2	1.2	1.4	.9	
DEPTH=	1.6	3.2	4.0	5.0	4.4	4.1	4.1	4.8	4.9	5.1	2.5	

1490 NH CARD USED
*SECNO 3.601

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .19

3.601	2.80	1382.60	.00	.00	1382.81	.21	.44	.06	1380.60
4957.0	2174.0	2711.5	71.5	569.9	742.3	23.5	472.4	243.8	1380.50
1.41	3.81	3.65	3.04	.055	.061	.064	.000	1379.80	9296.78
.009350	430.	495.	460.	2	0	0	.00	743.15	10039.93

FLOW DISTRIBUTION FOR SECNO= 3.60 CWSEL= 1382.60

STA=	9297.	9407.	9520.	9581.	9605.	9642.	9966.	10000.	10023.	10040.
PER Q=	11.3	16.6	5.9	3.9	6.1	41.7	7.4	5.5	1.4	
AREA=	152.7	209.1	87.9	47.0	73.2	612.5	66.0	63.7	23.5	
VEL=	3.7	3.9	3.3	4.1	4.1	3.4	5.6	4.3	3.0	
DEPTH=	1.4	1.9	1.4	2.0	2.0	1.9	1.9	2.7	1.4	

1490 NH CARD USED
*SECNO 3.696

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.46

3.696	3.16	1385.56	.00	.00	1385.84	.27	3.01	.02	1383.60
4957.0	1035.0	3890.5	31.4	463.7	846.3	12.9	487.3	252.0	1382.80
1.44	2.23	4.60	2.44	.057	.037	.055	.000	1382.40	9495.09
.004362	465.	500.	480.	4	0	0	.00	732.64	10227.73

FLOW DISTRIBUTION FOR SECNO= 3.70 CWSEL= 1385.56

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=	9495.	9609.	9646.	9700.	9808.	9851.	10000.	10010.	10218.	10228.
PER Q=	3.7	4.2	6.3	5.8	1.0	51.9	.7	25.8	.6	
AREA=	100.2	73.3	109.4	136.3	44.5	388.3	20.8	437.1	12.9	
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	1.0	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 = .58

3.791	2.83	1388.93	.00	.00	1389.25	.32	3.40	.01	1388.40
4957.0	1058.3	3878.7	20.0	361.4	797.7	7.2	501.0	261.3	1387.20
1.47	2.93	4.86	2.79	.055	.050	.055	.000	1386.10	9307.28
.012899	440.	500.	410.	3	0	0	.00	993.08	10328.66

FLOW DISTRIBUTION FOR SECNO= 3.79 CWSEL= 1388.93

STA=	9307.	9487.	9527.	9594.	9858.	9880.	9897.	9923.	9984.	10000.	10035.	10090.	10320.
PER Q=	11.8	3.9	3.1	2.6	1.5	8.3	3.1	1.0	1.1	17.1	10.5	35.5	
AREA=	174.9	52.2	55.8	78.5	30.5	39.7	52.4	28.1	22.5	80.3	145.7	398.6	
VEL=	3.3	3.7	2.7	1.6	2.4	10.4	3.0	1.8	2.4	10.6	3.6	4.4	
DEPTH=	1.0	1.3	.8	.3	1.4	2.3	2.0	.5	1.4	2.3	2.6	1.7	

STA=	10320.	10329.
PER Q=	.4	
AREA=	7.2	
VEL=	2.8	
DEPTH=	.9	

1490 NH CARD USED
*SECNO 3.888
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

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

3.888	4.11	1393.21	.00	.00	1393.38	.17	4.12	.02	1391.00
4957.0	1269.9	2951.7	735.4	614.5	844.7	185.7	516.6	272.8	1392.00
1.51	2.07	3.49	3.96	.055	.055	.050	.000	1389.10	8954.11
.005788	430.	510.	570.	3	0	0	.00	1146.42	10100.54

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= 3.89 CWSEL= 1393.21

STA=	8954.	9176.	9266.	9410.	9515.	9609.	9639.	10015.	10045.	10068.	10091.	10101.
PER Q=	3.8	3.1	4.4	5.0	6.8	2.5	59.5	3.0	4.1	6.5	1.2	
AREA=	127.8	77.5	119.9	112.6	130.9	45.7	844.7	48.5	52.5	67.8	16.9	
VEL=	1.5	2.0	1.8	2.2	2.6	2.7	3.5	3.1	3.9	4.7	3.5	
DEPTH=	.6	.9	.8	1.1	1.4	1.5	2.2	1.6	2.2	3.0	1.7	

1490 NH CARD USED
*SECNO 3.984

3.984	3.99	1396.29	.00	.00	1396.58	.29	3.17	.04	1394.40
4957.0	1252.9	3694.0	10.0	552.1	771.7	4.4	532.2	283.5	1394.20
1.54	2.27	4.79	2.28	.055	.045	.055	.000	1392.30	9006.44
.007783	380.	505.	520.	4	0	0	.00	1039.57	10046.01

FLOW DISTRIBUTION FOR SECNO= 3.98 CWSEL= 1396.29

STA=	9006.	9214.	9264.	9383.	9530.	9674.	9823.	9856.	9975.	9984.	10000.	10023.	10042.
PER Q=	5.6	3.2	5.9	4.6	5.9	24.3	21.0	9.3	.6	7.2	5.6	6.5	
AREA=	135.7	59.2	121.2	113.8	122.2	310.3	103.4	159.4	14.7	40.5	81.6	61.9	
VEL=	2.0	2.7	2.4	2.0	2.4	3.9	10.1	2.9	1.9	8.8	3.4	5.2	
DEPTH=	.7	1.2	1.0	.8	.8	2.1	3.2	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	

1490 NH CARD USED
*SECNO 4.080

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

4.080	4.93	1398.83	.00	.00	1399.03	.19	2.44	.01	1396.70
4957.0	1376.5	2498.8	1081.6	689.2	563.5	430.3	547.5	293.3	1397.20
1.58	2.00	4.43	2.51	.055	.039	.055	.000	1393.90	9270.78
.003784	350.	505.	505.	3	0	0	.00	1028.76	10299.54

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= 4.08 CWSEL= 1398.83

STA=	9271.	9370.	9445.	9580.	9695.	9757.	9823.	9924.	9963.	10003.	10038.	10102.	10130.
PER Q=	3.7	3.1	7.9	3.5	3.2	6.4	11.2	3.0	33.0	3.3	3.7	3.2	
AREA=	103.5	85.5	188.2	107.4	80.8	123.8	207.5	86.9	182.0	87.0	88.4	57.7	
VEL=	1.8	1.8	2.1	1.6	2.0	2.6	2.7	1.7	9.0	1.9	2.1	2.8	
DEPTH=	1.0	1.1	1.4	.9	1.3	1.9	2.0	2.2	4.6	2.5	1.4	2.1	

STA=	10130.	10151.	10201.	10231.	10300.
PER Q=	3.3	4.1	5.0	2.5	
AREA=	53.8	85.1	77.7	67.6	
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 = .64

4.178	4.82	1401.62	.00	.00	1401.99	.37	2.91	.05	1400.40
4957.0	356.7	3281.0	1319.3	170.9	576.9	450.4	564.1	304.7	1400.60
1.61	2.09	5.69	2.93	.055	.045	.055	.000	1396.80	9511.39
.009371	375.	515.	615.	2	0	0	.00	984.21	10499.14

FLOW DISTRIBUTION FOR SECNO= 4.18 CWSEL= 1401.62

STA=	9511.	9626.	9799.	9804.	9953.	9989.	10021.	10049.	10141.	10159.	10196.	10314.	10388.
PER Q=	3.2	3.7	.3	23.4	2.9	32.0	7.9	7.3	3.0	3.1	3.3	3.1	
AREA=	74.0	91.4	5.5	287.3	62.0	124.6	103.1	116.9	35.7	49.5	80.9	61.2	
VEL=	2.1	2.0	2.8	4.0	2.3	12.7	3.8	3.1	4.2	3.1	2.0	2.5	
DEPTH=	.6	.5	1.1	1.9	1.7	3.9	3.7	1.3	2.1	1.3	.7	.8	

STA=	10388.	10427.	10499.
PER Q=	4.8	1.9	
AREA=	65.4	40.7	
VEL=	3.7	2.3	
DEPTH=	1.7	.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 4.273

3265 DIVIDED FLOW

4.273	5.47	1405.47	.00	.00	1405.89	.42	3.88	.01	1404.50
4957.0	4.7	3045.4	1907.0	3.6	483.3	723.4	579.0	315.4	1402.80
1.64	1.31	6.30	2.64	.055	.043	.055	.000	1400.00	9909.16
.005939	350.	500.	600.	4	0	0	.00	756.89	10678.91

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	40.3	5.1	10.9	6.8	3.3	3.6	3.2	3.3	3.2	
AREA=	3.5	109.6	129.3	166.5	77.8	146.0	104.4	66.4	107.7	65.0	68.0	72.6	
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	2.8	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=	93.3	
VEL=	2.2	
DEPTH=	1.0	

1490 NH CARD USED
*SECNO 4.368
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

4.368	6.16	1409.46	.00	.00	1409.78	.32	3.88	.01	1407.40
4957.0	146.3	1860.0	2950.8	39.0	311.3	857.5	592.9	324.8	1407.10
1.67	3.75	5.97	3.44	.055	.071	.055	.000	1403.30	9933.42
.010635	420.	500.	500.	3	0	0	.00	884.73	10824.49

FLOW DISTRIBUTION FOR SECNO= 4.37 CWSEL= 1409.46

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=	9933.	9961.	10028.	10057.	10088.	10131.	10181.	10250.	10278.	10321.	10546.	10649.	10747.
PER Q=	3.0	37.5	7.3	8.1	7.4	3.3	4.6	5.1	4.9	5.1	3.6	7.0	
AREA=	39.0	311.3	71.7	78.4	84.3	54.9	76.5	55.9	63.5	122.9	77.8	111.6	
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=	60.1	
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	.36	2.62	.01	1409.40
4957.0	556.8	2365.2	2034.9	216.2	363.1	950.2	606.0	333.6	1410.30
1.70	2.58	6.51	2.14	.055	.040	.055	.000	1406.10	9795.31
.003826	550.	505.	365.	3	0	0	.00	1067.64	10865.53

FLOW DISTRIBUTION FOR SECNO= 4.46 CWSEL= 1412.05

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=	109.5	69.1	37.7	100.0	173.3	89.8	91.1	67.4	93.9	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=	167.4	80.5	105.9	82.2	45.4	
VEL=	1.3	1.9	2.1	2.1	1.2	
DEPTH=	.6	1.3	1.4	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 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	1343.2	2410.8	801.0	449.9	327.6	320.4	616.5	340.4	1411.10
1.72	2.99	7.36	2.50	.055	.042	.055	.000	1408.30	9646.23
.006452	390.	406.	300.	3	0	0	.00	701.95	10348.17

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=	114.3	83.9	
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	939.7	2799.6	815.7	360.7	354.4	206.0	627.7	347.1	1414.40
1.75	2.61	7.90	3.96	.055	.038	.061	.000	1411.20	9525.67
.007022	450.	495.	515.	2	0	0	.00	522.39	10146.57

FLOW DISTRIBUTION FOR SECNO= 4.64 CWSEL= 1416.91

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=	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=		72.9	58.0	81.2	64.9	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	4.6
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	.04	1419.40
4555.0	586.1	2152.7	1816.2	265.6	405.3	466.3	639.2	352.5	1417.80
1.78	2.21	5.31	3.89	.055	.060	.055	.000	1414.40	9698.87
.005592	400.	505.	550.	2	0	0	.00	517.50	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=		78.9	88.7	78.7	19.4	405.3	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	651.3	357.2	1420.30
1.81	.00	4.98	5.37	.000	.071	.055	.000	1418.50	9965.72
.008622	450.	505.	560.	4	0	0	.00	271.61	10237.33

FLOW DISTRIBUTION FOR SECNO= 4.83 CWSEL= 1423.96

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

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	73.5	
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	661.1	360.5	1424.40
1.83	3.31	4.94	3.83	.055	.058	.055	.000	1420.60	9894.82
.004766	500.	480.	370.	2	0	0	.00	412.94	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	1802.6	1445.5	1306.9	488.7	286.6	378.4	673.1	365.5	1427.00
1.87	3.69	5.04	3.45	.055	.068	.055	.000	1423.30	9737.98
.006619	525.	490.	390.	2	0	0	.00	562.64	10300.62

FLOW DISTRIBUTION FOR SECNO= 5.01 CWSEL= 1429.42

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=	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	2027.6	390.8	655.9	333.9	150.1	686.2	371.3	1429.60
1.90	3.26	6.07	2.60	.055	.045	.055	.000	1425.80	9650.95
.003986	510.	500.	460.	2	0	0	.00	465.86	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	107.3	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	1299.5	2848.5	407.0	338.9	282.1	98.9	696.9	375.8	1431.30
1.91	3.83	10.10	4.12	.055	.038	.055	.000	1428.40	9787.57
.008700	510.	500.	490.	2	5	0	.00	305.26	10092.83

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	57.1	45.1	181.5	46.5	149.0	86.7	41.4	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	1353.0	2760.2	441.8	394.3	328.7	173.2	707.1	380.3	1436.10
1.94	3.43	8.40	2.55	.055	.036	.055	.000	1431.60	9750.59
.004898	520.	560.	580.	2	0	0	.00	417.37	10167.96

FLOW DISTRIBUTION FOR SECNO= 5.31 CWSEL= 1438.37

STA=	9751.	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=	84.5	40.0	95.4	61.5	113.0	85.2	180.5	63.0	69.9	74.7	28.5	
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	1.13	3.26	.12	1439.70
4555.0	731.5	3717.8	105.7	217.2	398.4	37.7	716.8	384.4	1438.90
1.96	3.37	9.33	2.81	.055	.038	.055	.000	1435.60	9823.61
.007152	525.	565.	565.	2	0	0	.00	249.31	10072.92

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= 5.41 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	2608.3	1285.8	155.1	352.8	445.7	726.9	388.4	1443.90
1.98	4.26	7.39	2.88	.055	.040	.055	.000	1438.60	9922.51
.004684	525.	550.	550.	2	0	0	.00	384.74	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	1003.9	3043.4	507.8	277.2	381.1	145.1	738.1	392.4	1444.80
2.01	3.62	7.99	3.50	.055	.038	.055	.000	1441.10	9838.41
.004626	520.	570.	565.	3	0	0	.00	243.58	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	58.6	
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	748.0	395.3	1447.70
2.03	2.31	7.20	4.38	.055	.049	.058	.000	1444.70	9946.00
.006369	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	758.1	398.8	1450.90
2.07	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	773.9	405.9	1453.80
2.11	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	784.8	411.6	1468.90
2.14	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	795.4	416.6	1458.50
2.17	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	806.8	420.6	1466.00
2.21	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	819.2	425.9	1468.90
2.24	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	830.1	431.5	1471.90
2.26	.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	838.3	435.8	1475.30
2.28	.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	850.0	441.7	1479.40
2.33	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	863.4	448.2	1480.60
2.36	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	874.1	454.9	1484.70
2.38	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	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	882.8	460.6	1485.60
2.40	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	891.5	466.0	1490.00
2.43	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	903.2	473.5	1495.80
2.47	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	916.8	482.0	1498.30
2.50	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	926.0	486.8	1501.30
2.52	.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	935.2	490.7	1504.70
2.56	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	947.0	495.6	1508.00
2.60	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	958.0	499.4	1510.50
2.63	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	968.3	502.9	1514.30
2.66	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	979.6	507.8	1519.90
2.70	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	990.9	514.3	1521.60
2.73	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

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   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    1000.6     520.0   1525.20
     2.77       .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    1010.5     524.5   1527.90
     2.80      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
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      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    1021.9     530.0   1531.10
     2.84      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    1033.8     536.5   1534.00
     2.88      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    1044.5     541.9   1538.50
     2.91      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
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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	1056.2	547.1	1540.70
2.96	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	1066.7	552.1	1542.80
2.98	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	241.8	122.8	649.2	111.8	1076.4	556.8	1545.30
3.02	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
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	1086.3	561.6	1547.70
3.04	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	1095.9	567.8	1553.30
3.08	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	1105.7	574.8	1556.70
3.11	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	1113.7	581.4	1559.60
3.13	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	1123.0	588.6	1562.70
3.18	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	1134.4	596.1	1566.70
3.22	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	1146.9	605.0	1572.00
3.28	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	1156.6	611.9	1573.20
3.32	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	1159.1	613.7	1574.50
3.33	.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	1172.7	623.5	1577.60
3.38	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	1184.4	631.8	1581.00
3.42	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	1193.5	637.9	1582.70
3.45	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	1205.4	646.0	1586.00
3.50	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	1219.7	656.1	1588.60
3.57	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	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 = .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	1233.8	667.8	1592.00
3.61	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	1245.6	677.2	1594.70
3.66	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	1255.7	684.1	1596.70
3.70	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	1264.0	689.7	1599.50
3.73	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	1273.8	697.0	1603.60
3.75	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	1285.6	706.0	1607.60
3.81	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	1295.4	712.8	1610.80
3.86	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	1299.4	715.2	100000.00
3.93	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

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   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    1302.2     716.9   1618.00
      3.95      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    1305.1     719.0 100000.00
      4.01      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
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   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    1308.0     720.9   1625.60
     4.04       .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    1310.5     722.2   1629.00
     4.09       .00      3.29       .00      .000      .034      .000      .000   1624.10   9916.29
  .002847      510.      565.      600.         4         0         0       .00    134.64  10050.93
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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	1312.9	723.9	1630.80
4.11	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	1316.5	726.9	1633.20
4.14	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	1321.0	730.7	1636.00
4.17	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	1324.7	733.9	100000.00
4.21	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.	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	32.7	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	1333.4	742.4	1641.90
4.27	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	1339.0	748.6	1645.50
4.31	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= 811.800
EFFECTIVE AREA ENCROACHMENTS WERE APPLIED AT LT. CHANNEL BANK STA. AT

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      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   1345.1     754.9   1648.70
     4.38      .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   1348.2     757.9   1650.00
     4.41      .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
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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	843.4	.0	138.5	277.7	1351.5	760.4	1653.30
4.45	.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	1359.0	766.1	1657.30
4.51	.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	1368.7	774.5	1660.70
4.54	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	1377.7	782.5	1663.30
4.59	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	1389.8	792.4	1665.00
4.63	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 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.

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
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	1403.2	801.9	1668.00
4.67	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 SECND= 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
*SECND 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	1407.9	804.6	1666.70
4.69	.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 SECND= 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	1408.3	804.9	1669.15
4.69	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	1409.1	805.4	1669.35
4.69	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	1409.4	805.7	1666.90
4.69	.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	1412.4	807.8	1672.70
4.70	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

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   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    1426.3     817.8   1607.60
     4.76      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.
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     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    1435.5     824.7 100000.00
    4.78      .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    1437.9     826.4 100000.00
     4.81      .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    1442.7     829.4 100000.00
     4.84      .00       .00      3.75      .000      .000      .055      .000   1614.30  10787.09
  .007736     500.      550.      440.         5         0         0       .00    260.95  11048.04
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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	1446.9	832.1	100000.00
4.87	.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	1451.0	834.8	100000.00
4.90	.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	1457.5	839.5	100000.00
4.95	.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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.63

3470 ENCROACHMENT STATIONS= 10802.4 11476.6 TYPE= 1 TARGET= 674.199

21.578	3.53	1630.03	.00	.00	1630.08	.05	.60	.02	100000.00
1535.0	.0	.0	1535.0	.0	.0	830.9	1459.9	841.1	100000.00
4.98	.00	.00	1.85	.000	.000	.055	.000	1626.50	10933.08
.001676	380.	350.	170.	4	0	0	.00	507.46	11440.53

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= 1630.03

STA=	10933.	10012.	11056.	11120.	11151.	11191.	11199.	11237.	11254.	11316.	11367.	11441.
PER Q=	.0	3.3	10.9	8.8	17.7	4.0	16.6	6.7	21.5	8.3	2.2	
AREA=	.0	67.1	106.6	70.6	119.7	25.0	112.3	47.0	158.6	83.5	40.5	
VEL=	.0	.8	1.6	1.9	2.3	2.5	2.3	2.2	2.1	1.5	.8	
DEPTH=	.0	.1	1.7	2.3	2.9	3.3	2.9	2.8	2.6	1.6	.5	

1490 NH CARD USED
*SECNO 21.642
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 10706.3 11381.0 TYPE= 1 TARGET= 674.700

21.642	3.61	1632.51	1632.51	.00	1632.89	.38	2.56	.10	100000.00
1535.0	.0	.0	1535.0	.0	.0	308.5	1467.2	846.8	100000.00
5.01	.00	.00	4.98	.000	.000	.055	.000	1628.90	10909.24
.040001	285.	340.	555.	1	5	0	.00	399.80	11309.04

FLOW DISTRIBUTION FOR SECNO= 21.64 CWSEL= 1632.51

STA=	10909.	10039.	10930.	10956.	10980.	10990.	11002.	11048.	11096.	11186.	11192.	11308.
PER Q=	.0	.5	4.5	9.6	4.7	6.2	22.2	20.1	19.9	1.3	11.0	
AREA=	.0	4.1	17.1	26.2	11.6	15.2	55.6	53.4	68.0	4.5	52.9	
VEL=	.0	1.9	4.1	5.6	6.3	6.3	6.1	5.8	4.5	4.3	3.2	
DEPTH=	.0	.0	.7	1.1	1.3	1.3	1.2	1.1	.8	.7	.5	

1490 NH CARD USED
*SECNO 21.717

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 3.53

3470 ENCROACHMENT STATIONS= 10794.6 11580.0 TYPE= 1 TARGET= 785.400

21.717	4.27	1636.97	.00	.00	1637.06	.08	4.14	.03	100000.00
1535.0	.0	.0	1535.0	.0	.0	661.1	1473.1	852.2	100000.00
5.07	.00	.00	2.32	.000	.000	.055	.000	1632.70	11049.47
.003215	340.	395.	530.	5	0	0	.00	482.99	11532.47

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= 21.72 CWSEL= 1636.97

STA=	11049.	10137.	11114.	11128.	11148.	11166.	11208.	11214.	11251.	11260.	11268.	11318.	11346.
PER Q=	.0	6.6	4.6	6.3	5.0	17.6	4.0	19.1	3.7	3.1	18.4	5.9	
AREA=	.0	61.3	28.6	39.6	33.3	99.2	19.3	99.1	20.9	17.9	109.7	43.9	
VEL=	.0	1.6	2.5	2.4	2.3	2.7	3.2	3.0	2.7	2.7	2.6	2.1	
DEPTH=	.0	.1	2.1	2.0	1.8	2.4	3.0	2.7	2.4	2.3	2.2	1.6	

STA=	11346.	11478.	11532.
PER Q=	4.1	1.6	
AREA=	63.3	25.0	
VEL=	1.0	1.0	
DEPTH=	.5	.5	

1490 NH CARD USED
*SECNO 21.776

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .30

3470 ENCROACHMENT STATIONS= 10794.6 11626.0 TYPE= 1 TARGET= 831.400

21.776	5.53	1640.13	1640.10	.00	1640.56	.43	3.40	.10	100000.00
1535.0	.0	.0	1535.0	.0	.0	292.5	1478.0	856.6	100000.00
5.10	.00	.00	5.25	.000	.000	.055	.000	1634.60	11080.38
.034679	260.	310.	450.	10	14	0	.00	368.07	11544.40

FLOW DISTRIBUTION FOR SECNO= 21.78 CWSEL= 1640.13

STA=	11080.	10231.	11264.	11274.	11323.	11333.	11413.	11504.	11544.
PER Q=	.0	17.4	5.4	27.1	7.8	34.3	7.4	.7	
AREA=	.0	55.3	13.7	66.8	17.1	93.7	39.4	6.6	
VEL=	.0	4.8	6.1	6.2	7.0	5.6	2.9	1.5	
DEPTH=	.0	.1	1.3	1.4	1.6	1.2	.4	.2	

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 = 3.08

3470 ENCROACHMENT STATIONS= 10918.7 11739.7 TYPE= 1 TARGET= 821.000

21.885	6.54	1643.84	.00	.00	1643.93	.09	3.33	.03	100000.00
1535.0	.0	.0	1535.0	.0	.0	637.7	1482.3	860.2	100000.00
5.14	.00	.00	2.41	.000	.000	.055	.000	1637.30	11174.01
.003653	575.	575.	400.	6	0	0	.00	417.69	11715.42

FLOW DISTRIBUTION FOR SECNO= 21.89 CWSEL= 1643.84

STA=	11174.	10444.	11182.	11192.	11323.	11354.	11374.	11604.	11714.
PER Q=	.0	.0	.1	.1	6.5	10.2	76.2	6.9	
AREA=	.0	1.3	1.6	2.0	46.3	51.8	454.5	80.2	
VEL=	.0	.5	.5	.7	2.2	3.0	2.6	1.3	
DEPTH=	.0	.0	.2	.0	1.5	2.5	2.0	.7	

1490 NH CARD USED
*SECNO 21.954

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .39

3470 ENCROACHMENT STATIONS= 11072.4 11920.0 TYPE= 1 TARGET= 847.600

21.954	4.34	1645.84	.00	.00	1646.09	.25	2.12	.05	100000.00
1535.0	.0	.0	1535.0	.0	.0	381.3	1485.6	863.0	100000.00
5.16	.00	.00	4.03	.000	.000	.055	.000	1641.50	11324.22
.023965	390.	365.	280.	6	0	0	.00	438.89	11763.11

FLOW DISTRIBUTION FOR SECNO= 21.95 CWSEL= 1645.84

STA=	11324.	10583.	11385.	11385.	11386.	11386.	11583.	11763.
PER Q=	.0	1.9	.0	.0	.0	62.5	35.5	
AREA=	.0	16.5	.3	.2	.3	215.9	148.2	
VEL=	.0	1.8	2.8	2.8	2.8	4.4	3.7	
DEPTH=	.0	.0	.5	.5	.5	1.1	.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 22.043

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.39

3470 ENCROACHMENT STATIONS= 10786.3 11680.1 TYPE= 1 TARGET= 893.800

22.043	4.56	1649.86	.00	.00	1649.94	.08	3.83	.02	100000.00
1535.0	.0	.0	1535.0	.0	.0	695.1	1491.3	868.2	100000.00
5.22	.00	.00	2.21	.000	.000	.055	.000	1645.30	10865.31
.004178	465.	470.	460.	8	0	0	.00	553.38	11418.68

FLOW DISTRIBUTION FOR SECNO= 22.04 CWSEL= 1649.86

STA=	10865.	10365.	10890.	10898.	11143.	11201.	11224.	11261.	11290.	11382.	11413.	11419.
PER Q=	.0	.4	.4	35.8	18.9	8.4	13.0	9.3	13.5	.4	.0	
AREA=	.0	8.2	5.1	284.1	109.6	46.3	72.6	54.0	106.9	8.0	.2	
VEL=	.0	.8	1.3	1.9	2.6	2.8	2.7	2.6	1.9	.7	.2	
DEPTH=	.0	.0	.6	1.2	1.9	2.0	2.0	1.9	1.2	.3	.0	

1490 NH CARD USED
*SECNO 22.107

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

3470 ENCROACHMENT STATIONS= 10451.5 11249.4 TYPE= 1 TARGET= 797.900

22.107	3.86	1651.86	.00	.00	1651.96	.10	2.01	.01	100000.00
1535.0	.0	.0	1535.0	.0	.0	610.0	1496.0	872.9	100000.00
5.26	.00	.00	2.52	.000	.000	.055	.000	1648.00	10459.99
.010527	340.	340.	320.	5	0	0	.00	727.93	11187.92

FLOW DISTRIBUTION FOR SECNO= 22.11 CWSEL= 1651.86

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   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     27.2      7.5      5.1     41.9      5.0      4.3      1.3
   AREA=      .0      2.9      2.5     15.4     32.4    167.4     44.1     29.3    239.0     30.9     31.8     12.6
    VEL=      .0      1.2      2.0      2.1      2.3      2.5      2.6      2.7      2.7      2.5      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=     1.7
    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      3.15   1653.85       .00       .00   1653.92       .07      1.96       .00 100000.00
   1535.0       .0        .0    1535.0        .0        .0     732.9    1498.8     875.8 100000.00
     5.28      .00       .00      2.09      .000      .000      .089      .000   1650.70  10396.14
  .011248     345.      380.      180.         3         0         0       .00    681.47  11077.61


FLOW DISTRIBUTION FOR SECNO=     22.18          CWSEL=   1653.85

STA=   10396.   10032.   10556.   10725.   10820.   10838.   10854.   10992.   11023.   11060.   11078.
  PER Q=      .0      5.4     15.4     17.5      5.2      5.0     38.2      7.7      5.3       .4
   AREA=      .0     66.0    146.8    126.4     31.2     29.3    234.8     49.6     42.3      6.5
    VEL=      .0      1.3      1.6      2.1      2.5      2.6      2.5      2.4      1.9       .9
  DEPTH=      .0       .1       .9      1.3      1.8      1.8      1.7      1.6      1.2       .4

1490 NH CARD USED
*SECNO 22.275

3470 ENCROACHMENT STATIONS=    10657.7   11066.0  TYPE=      1  TARGET=      408.300
       DISCHARGE REDUCED TO 920CFS.
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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	3.65	1657.35	.00	.00	1657.42	.08	3.50	.00	100000.00
920.0	.0	.0	920.0	.0	.0	416.8	1505.8	881.7	100000.00
5.35	.00	.00	2.21	.000	.000	.055	.000	1653.70	10657.70
.003422	500.	505.	530.	5	0	0	.00	287.72	10945.42

FLOW DISTRIBUTION FOR SECNO= 22.27 CWSEL= 1657.35

STA=	10658.	10023.	10707.	10737.	10751.	10768.	10821.	10828.	10874.	10901.	10927.	10945.
PER Q=	.0	4.1	7.5	7.1	8.6	28.0	3.6	25.1	9.7	5.8	.5	
AREA=	.0	31.9	37.8	26.8	32.1	104.4	13.4	92.3	41.6	30.6	5.9	
VEL=	.0	1.2	1.8	2.4	2.5	2.5	2.5	2.5	2.2	1.7	.7	
DEPTH=	.0	.0	1.2	1.9	1.9	1.9	1.9	2.0	1.6	1.1	.3	

1490 NH CARD USED
*SECNO 22.370

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .13

3470 ENCROACHMENT STATIONS= 10740.1 10952.6 TYPE= 1 TARGET= 212.500
DISCHARGE REDUCED TO 370CFS.

22.370	3.06	1659.76	.00	.00	1660.07	.31	2.58	.07	100000.00
370.0	.0	.0	370.0	.0	.0	83.0	1508.6	883.9	100000.00
5.38	.00	.00	4.46	.000	.000	.055	.000	1656.70	10740.10
.032139	540.	500.	490.	3	0	0	.00	107.72	10847.82

FLOW DISTRIBUTION FOR SECNO= 22.37 CWSEL= 1659.76

STA=	10740.	10011.	10774.	10784.	10785.	10798.	10800.	10801.	10802.	10839.	10848.
PER Q=	.0	44.0	18.3	1.6	20.2	.9	.3	.5	13.3	1.0	
AREA=	.0	34.3	12.3	.9	14.4	1.1	.3	.6	17.0	2.0	
VEL=	.0	4.7	5.5	6.8	5.2	3.1	2.9	2.9	2.9	1.8	
DEPTH=	.0	.0	1.2	1.7	1.1	.5	.5	.5	.5	.2	

1490 NH CARD USED
*SECNO 22.464

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.71

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   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=    10683.9   11036.0  TYPE=      1  TARGET=      352.100
       DISCHARGE REDUCED TO 300CFS.
   22.464      3.82   1663.12       .00       .00   1663.16       .04      3.06       .03 100000.00
    300.0       .0        .0     300.0       .0        .0     187.1    1509.9     885.3 100000.00
     5.45      .00       .00      1.60      .000      .000      .055      .000   1659.30  10716.06
  .002875     500.      495.      400.         7         0         0       .00    189.19  10905.26


FLOW DISTRIBUTION FOR SECNO=     22.46          CWSEL=   1663.12

STA=   10716.   10031.   10745.   10763.   10782.   10796.   10815.   10905.
  PER Q=       .0      5.0     11.8     19.9     18.8     19.8     24.6
   AREA=       .0     15.4     21.5     30.0     26.1     29.9     64.2
    VEL=       .0      1.0      1.6      2.0      2.2      2.0      1.1
  DEPTH=       .0       .0      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 =   .28


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      3.43   1665.63       .00       .00   1665.70       .07      2.53       .01 100000.00
    250.0       .0        .0     250.0       .0        .0     114.8    1511.4     887.1 100000.00
     5.50      .00       .00      2.18      .000      .000      .090      .000   1662.20  10631.20
  .025390     500.      505.      430.         7         0         0       .00    170.39  10801.59


FLOW DISTRIBUTION FOR SECNO=     22.56          CWSEL=   1665.63

STA=   10631.   10020.   10684.   10708.   10716.   10775.   10795.   10796.   10802.
  PER Q=       .0     13.2      4.9      6.0     54.9     18.3      1.1      1.5
   AREA=       .0     22.5      9.0      6.4     55.0     18.3      1.1      2.4
    VEL=       .0      1.5      1.4      2.3      2.5      2.5      2.5      1.6
  DEPTH=       .0       .0       .4       .8       .9       .9       .9       .5
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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 -10.890
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	1520.2	894.1	1607.60
5.56	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.

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     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   1529.6    900.5 100000.00
    5.60     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   1532.2    901.7 100000.00
     5.62     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
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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	1533.4	902.4	100000.00
5.64	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	1535.8	905.3	100000.00
5.68	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	1538.4	908.3	100000.00
5.72	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	1541.2	910.3	100000.00
5.77	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	1545.5	914.5	1645.50
5.82	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

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     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   1551.4    921.0 100000.00
     5.89     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   1554.1    924.2 100000.00
     5.93     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
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   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    1556.2     927.5 100000.00
     6.01      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
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THIS RUN EXECUTED 03SEP93 07:21:21

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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	1361.53	1361.32	7.65	500.00	9851.50	9977.30	.00	.00	9828.17	10289.50	.79
*	3.190	3277.00	1364.06	.00	6.70	430.00	9933.10	10006.60	.00	.00	9935.49	10598.89	.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	13.11	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	1368.47	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
*	3.257	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	1379.58	.00	11.27	12.50	9976.30	10023.70	.00	.00	9976.30	10023.70	.80

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
	3.267	3277.00	1379.60	.00	11.25	11.90	9976.30	10023.70	.00	.00	9976.30	10023.70	.80
	3.269	3277.00	1379.71	.00	11.04	11.90	9976.30	10023.70	.00	.00	9976.30	10023.70	.78
	3.273	3277.00	1379.80	.00	10.89	23.80	9976.30	10023.70	.00	.00	9976.30	10023.70	.76
	3.282	3277.00	1379.96	.00	10.62	47.70	9976.30	10023.70	.00	.00	9976.30	10023.70	.73
*	3.284	3277.00	1380.93	.00	8.06	6.30	9973.20	10026.90	.00	.00	9973.20	10026.90	.52
	3.285	3277.00	1381.28	.00	6.90	6.20	9970.10	10030.00	.00	.00	9970.10	10030.00	.43
	3.287	3277.00	1381.64	.00	5.46	12.50	9963.80	10036.20	.00	.00	9963.80	10036.20	.33
*	3.291	3277.00	1381.99	.00	3.70	22.10	9953.80	10046.20	.00	.00	9934.86	10065.14	.22
*	3.299	3277.00	1382.14	.00	2.39	38.40	9910.00	10082.00	.00	.00	9910.46	10081.88	.15
	3.302	3277.00	1382.19	.00	1.78	20.00	9885.00	10116.00	.00	.00	9885.92	10115.66	.11
	3.306	3277.00	1382.22	.00	1.34	19.50	9855.00	10152.00	.00	.00	9856.34	10150.94	.08
*	3.328	4957.00	1382.24	.00	1.01	90.00	9975.00	10374.70	.00	.00	9394.11	10498.24	.06
	3.418	4957.00	1382.26	.00	.59	475.00	9729.00	10007.30	.00	.00	9306.88	10704.31	.04
*	3.507	4957.00	1382.30	.00	1.21	470.00	9582.90	10055.40	.00	.00	9255.99	10286.77	.10
*	3.601	4957.00	1382.60	.00	3.65	495.00	9641.50	10023.30	.00	.00	9296.78	10039.93	.46
*	3.696	4957.00	1385.56	.00	4.60	500.00	9850.80	10218.40	.00	.00	9495.09	10227.73	.53
*	3.791	4957.00	1388.93	.00	4.86	500.00	9858.20	10320.30	.00	.00	9307.28	10328.66	.65
*	3.888	4957.00	1393.21	.00	3.49	510.00	9639.30	10014.80	.00	.00	8954.11	10100.54	.41
	3.984	4957.00	1396.29	.00	4.79	505.00	9674.40	10041.80	.00	.00	9006.44	10046.01	.58
*	4.080	4957.00	1398.83	.00	4.43	505.00	9822.50	10038.30	.00	.00	9270.78	10299.54	.48
*	4.178	4957.00	1401.62	.00	5.69	515.00	9804.00	10048.90	.00	.00	9511.39	10499.14	.65
	4.273	4957.00	1405.47	.00	6.30	500.00	9918.20	10052.10	.00	.00	9909.16	10678.91	.58
	4.368	4957.00	1409.46	.00	5.97	500.00	9960.50	10027.80	.00	.00	9933.42	10824.49	.49
*	4.464	4957.00	1412.05	.00	6.51	505.00	9965.20	10040.20	.00	.00	9795.31	10865.53	.52
	4.541	4555.00	1413.74	.00	7.36	406.00	9973.10	10051.50	.00	.00	9646.23	10348.17	.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	10237.33	.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	10300.62	.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	9787.57	10092.83	.82
	5.307	4555.00	1438.37	.00	8.40	560.00	9976.80	10042.30	9745.90	10214.00	9750.59	10167.96	.66
	5.414	4555.00	1441.35	.00	9.33	565.00	9956.20	10040.00	9662.00	10269.00	9823.61	10072.92	.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	9838.41	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

	SECNO	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	1630.03	.00	.00	350.00	9869.10	10012.30	10802.40	11476.60	10933.08	11440.53	.00
*	21.642	1535.00	1632.51	1632.51	.00	340.00	9911.30	10038.50	10706.30	11381.00	10909.24	11309.04	.00
*	21.717	1535.00	1636.97	.00	.00	395.00	9987.00	10137.30	10794.60	11580.00	11049.47	11532.47	.00
*	21.776	1535.00	1640.13	1640.10	.00	310.00	9986.20	10230.60	10794.60	11626.00	11080.38	11544.40	.00
*	21.885	1535.00	1643.84	.00	.00	575.00	9982.50	10443.50	10918.70	11739.70	11174.01	11715.42	.00
*	21.954	1535.00	1645.84	.00	.00	365.00	9973.90	10582.50	11072.40	11920.00	11324.22	11763.11	.00
*	22.043	1535.00	1649.86	.00	.00	470.00	9974.50	10365.30	10786.30	11680.10	10865.31	11418.68	.00
*	22.107	1535.00	1651.86	.00	.00	340.00	9974.90	10216.70	10451.50	11249.40	10459.99	11187.92	.00
	22.179	1535.00	1653.85	.00	.00	380.00	9969.50	10032.20	10232.40	11151.60	10396.14	11077.61	.00
	22.275	920.00	1657.35	.00	.00	505.00	9971.30	10022.90	10657.70	11066.00	10657.70	10945.42	.00
*	22.370	370.00	1659.76	.00	.00	500.00	9970.20	10011.30	10740.10	10952.60	10740.10	10847.82	.00

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
*	22.464	300.00	1663.12	.00	.00	495.00	9986.10	10030.70	10683.90	11036.00	10716.06	10905.26	.00
*	22.560	250.00	1665.63	.00	.00	505.00	9964.30	10020.20	10631.20	10850.40	10631.20	10801.59	.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	92.19	2782.18	402.63	3.00	7.65	2.92	1363.90	1361.53	2.39	347.86	1356.80	1.35
*	3.190	.00	2280.58	996.42	.00	6.70	2.96	1365.60	1364.06	2.53	329.39	1355.90	1.45
*	3.247	323.61	2741.47	211.92	10.10	12.96	8.43	1371.60	1365.11	1.05	57.40	1360.00	1.04
*	3.251	.00	3277.00	.00	.00	13.11	.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	1368.47	.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
*	3.257	.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	2.24	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
	3.262	.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	11.27	.00	1380.30	1379.58	-.67	47.40	1373.45	1.00
	3.267	.00	3277.00	.00	.00	11.25	.00	1380.30	1379.60	.02	47.40	1373.45	1.00
	3.269	.00	3277.00	.00	.00	11.04	.00	1380.30	1379.71	.11	47.40	1373.45	1.00
	3.273	.00	3277.00	.00	.00	10.89	.00	1380.30	1379.80	.09	47.40	1373.45	1.00
	3.282	.00	3277.00	.00	.00	10.62	.00	1380.30	1379.96	.16	47.40	1373.45	1.00
*	3.284	.00	3277.00	.00	.00	8.06	.00	1380.75	1380.93	.97	53.70	1373.35	1.00
	3.285	.00	3277.00	.00	.00	6.90	.00	1381.15	1381.28	.35	59.90	1373.35	1.00
	3.287	.00	3277.00	.00	.00	5.46	.00	1381.90	1381.64	.36	72.40	1373.35	1.00

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
*	3.291	154.18	2968.63	154.18	1.87	3.70	1.87	1382.20	1381.99	.35	130.29	1373.30	1.11
*	3.299	.00	3277.00	.00	.00	2.39	.00	1382.20	1382.14	.15	171.43	1373.30	1.00
	3.302	.00	3277.00	.00	.00	1.78	.00	1382.30	1382.19	.05	229.74	1373.30	1.00
	3.306	.00	3277.00	.00	.00	1.34	.00	1382.60	1382.22	.03	294.60	1373.30	1.00
*	3.328	869.96	3793.55	293.50	.42	1.01	.47	1386.50	1382.24	.02	1104.13	1371.10	1.41
	3.418	1704.75	1336.45	1915.80	.60	.59	.51	1384.00	1382.26	.02	1397.43	1373.30	1.02
*	3.507	971.14	2784.90	1200.96	1.06	1.21	1.17	1384.20	1382.30	.03	1030.77	1376.40	1.01
*	3.601	2174.00	2711.51	71.49	3.81	3.65	3.04	1388.90	1382.60	.30	743.15	1379.80	1.00
*	3.696	1035.03	3890.54	31.43	2.23	4.60	2.44	1391.80	1385.56	2.97	732.64	1382.40	1.26
*	3.791	1058.27	3878.74	19.98	2.93	4.86	2.79	1395.90	1388.93	3.37	993.08	1386.10	1.13
*	3.888	1269.93	2951.67	735.40	2.07	3.49	3.96	1398.90	1393.21	4.28	1146.42	1389.10	1.18
	3.984	1252.90	3694.05	10.05	2.27	4.79	2.28	1402.00	1396.29	3.08	1039.57	1392.30	1.32
*	4.080	1376.52	2498.83	1081.65	2.00	4.43	2.51	1401.10	1398.83	2.54	1028.76	1393.90	1.43
*	4.178	356.70	3280.95	1319.34	2.09	5.69	2.93	1406.00	1401.62	2.79	984.21	1396.80	1.40
	4.273	4.66	3045.36	1906.98	1.31	6.30	2.64	1409.70	1405.47	3.85	756.89	1400.00	1.61
	4.368	146.28	1859.96	2950.76	3.75	5.97	3.44	1412.00	1409.46	3.99	884.73	1403.30	1.24
*	4.464	556.83	2365.24	2034.93	2.58	6.51	2.14	1415.70	1412.05	2.60	1067.64	1406.10	2.18
	4.541	1343.25	2410.77	800.99	2.99	7.36	2.50	1416.00	1413.74	1.69	701.95	1408.30	1.88
	4.635	939.70	2799.63	815.67	2.61	7.90	3.96	1421.60	1416.91	3.17	522.39	1411.20	1.74
	4.731	586.09	2152.73	1816.18	2.21	5.31	3.89	1424.30	1420.42	3.51	517.50	1414.40	1.25
	4.827	.00	2115.31	2439.68	.00	4.98	5.37	1426.70	1423.96	3.54	271.61	1418.50	1.00
	4.918	747.81	1931.90	1875.30	3.31	4.94	3.83	1432.10	1426.81	2.84	412.94	1420.60	1.07
	5.011	1802.60	1445.48	1306.92	3.69	5.04	3.45	1431.90	1429.42	2.62	562.64	1423.30	1.08
	5.106	2136.65	2027.56	390.79	3.26	6.07	2.60	1436.00	1431.88	2.46	465.86	1425.80	1.38
*	5.201	1299.51	2848.51	406.98	3.83	10.10	4.12	1443.10	1434.47	2.59	305.26	1428.40	1.73
	5.307	1352.98	2760.25	441.78	3.43	8.40	2.55	1444.50	1438.37	3.90	417.37	1431.60	1.81

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
	5.414	731.49	3717.82	105.69	3.37	9.33	2.81	1450.40	1441.35	2.98	249.31	1435.60	1.50
	5.518	660.93	2608.25	1285.82	4.26	7.39	2.88	1449.00	1445.10	3.75	384.74	1438.60	1.59
	5.626	1003.86	3043.36	507.78	3.62	7.99	3.50	1455.70	1447.59	2.49	243.58	1441.10	1.46
	5.732	18.19	2169.32	1962.49	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
	6.480	3.32	3915.58	231.10	.58	6.14	1.89	1479.20	1472.81	2.47	359.47	1468.90	1.22
*	6.585	.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	1.85	1631.70	1630.03	.78	507.46	1626.50	1.00
*	21.642	.00	.00	1535.00	.00	.00	4.98	1633.10	1632.51	2.47	399.80	1628.90	1.00
*	21.717	.00	.00	1535.00	.00	.00	2.32	1638.00	1636.97	4.47	482.99	1632.70	1.00
*	21.776	.00	.00	1535.00	.00	.00	5.25	1640.80	1640.13	3.16	368.07	1634.60	1.00
*	21.885	.00	.00	1535.00	.00	.00	2.41	1644.30	1643.84	3.70	417.69	1637.30	1.00
*	21.954	.00	.00	1535.00	.00	.00	4.03	1648.00	1645.84	2.00	438.89	1641.50	1.00
*	22.043	.00	.00	1535.00	.00	.00	2.21	1652.10	1649.86	4.02	553.38	1645.30	1.00
*	22.107	.00	.00	1535.00	.00	.00	2.52	1654.20	1651.86	2.00	727.93	1648.00	1.00
	22.179	.00	.00	1535.00	.00	.00	2.09	1656.60	1653.85	1.99	681.47	1650.70	1.00
	22.275	.00	.00	920.00	.00	.00	2.21	1660.30	1657.35	3.50	287.72	1653.70	1.00
*	22.370	.00	.00	370.00	.00	.00	4.46	1664.70	1659.76	2.41	107.72	1656.70	1.00
*	22.464	.00	.00	300.00	.00	.00	1.60	1668.00	1663.12	3.36	189.19	1659.30	1.00
*	22.560	.00	.00	250.00	.00	.00	2.18	1669.00	1665.63	2.51	170.39	1662.20	1.00
	-10.890	398.46	980.98	1740.56	1.84	4.42	2.13	1613.10	1608.61	-57.02	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

	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
	.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	DLOSS	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	1362.33	.79	2.68	.12	81.66	262.86	4.73	55.00	35.35	55.00
*	3.190	430.00	-2.09	1364.59	.53	2.24	.03	37.28	268.61	8.16	.00	37.81	45.35
*	3.247	315.00	13.02	1367.52	2.41	1.75	.57	96.71	271.88	5.11	32.00	32.00	32.00
*	3.251	20.00	50.00	1368.94	2.67	.20	.13	99.63	272.00	5.28	.00	30.00	.00
*	3.253	13.50	-192.59	1369.50	1.11	.09	.47	46.02	272.10	9.99	.00	30.00	.00
*	3.254	7.30	410.96	1371.15	2.68	.06	.79	184.80	272.15	7.07	.00	30.00	.00
*	3.256	7.30	410.96	1374.15	2.67	.13	.00	183.39	272.20	7.08	.00	30.00	.00
*	3.257	7.30	424.65	1377.25	2.67	.13	.00	183.69	272.24	7.08	.00	30.00	.00
*	3.259	7.30	410.96	1380.25	2.67	.13	.00	183.65	272.28	7.08	.00	30.00	.00
*	3.259	2.00	250.00	1380.78	.95	.01	.52	20.96	272.29	8.82	.00	30.00	.00
*	3.259	.10	-16300.05	1380.87	.63	.00	.10	1.81	272.30	10.88	.00	12.00	.00
	3.262	14.70	.00	1380.88	.63	.00	.00	1.80	272.47	10.88	.00	12.00	.00
*	3.264	12.50	326.40	1381.56	1.97	.00	.67	10.04	272.59	6.13	.00	12.00	.00
	3.267	11.90	.00	1381.57	1.97	.01	.00	9.98	272.67	6.15	.00	12.00	.00
	3.269	11.90	.00	1381.60	1.89	.01	.02	9.42	272.75	6.26	.00	12.00	.00
	3.273	23.80	.00	1381.64	1.84	.02	.02	9.02	272.91	6.35	.00	12.00	.00
	3.282	47.70	.00	1381.71	1.75	.04	.03	8.36	273.24	6.51	.00	12.00	.00
*	3.284	6.30	-15.87	1381.93	1.01	.00	.22	3.97	273.29	7.58	.00	12.00	.00
	3.285	6.20	.00	1382.02	.74	.00	.08	2.68	273.36	7.93	.00	12.00	.00
	3.287	12.50	.00	1382.10	.46	.00	.08	1.52	273.51	8.29	.00	12.00	.00

	SECNO	XLCH	K*CHSL	EG	HV	HL	DLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
*	3.291	22.10	-2.26	1382.19	.20	.00	.08	3.12	273.91	8.69	35.00	30.00	35.00
*	3.299	38.40	.00	1382.23	.09	.01	.03	1.50	274.94	8.84	.00	30.00	.00
	3.302	20.00	.00	1382.24	.05	.00	.01	.82	275.68	8.89	.00	30.00	.00
	3.306	19.50	.00	1382.25	.03	.00	.01	.45	276.64	8.92	.00	30.00	.00
*	3.328	90.00	-24.45	1382.25	.01	.00	.00	.24	285.83	11.14	55.00	32.00	55.00
	3.418	475.00	4.63	1382.27	.00	.01	.00	.39	368.03	8.96	58.75	63.12	60.35
*	3.507	470.00	6.60	1382.32	.02	.04	.00	3.27	442.24	5.90	55.00	63.94	62.94
*	3.601	495.00	6.87	1382.81	.21	.44	.06	93.50	472.42	2.80	55.00	61.26	63.64
*	3.696	500.00	5.20	1385.84	.27	3.01	.02	43.62	487.26	3.16	56.69	37.21	55.00
*	3.791	500.00	7.40	1389.25	.32	3.40	.01	128.99	500.95	2.83	55.21	49.92	55.00
*	3.888	510.00	5.88	1393.38	.17	4.12	.02	57.88	516.65	4.11	55.00	55.48	50.00
	3.984	505.00	6.34	1396.58	.29	3.17	.04	77.83	532.24	3.99	55.00	44.86	55.00
*	4.080	505.00	3.17	1399.03	.19	2.44	.01	37.84	547.49	4.93	55.00	39.01	55.00
*	4.178	515.00	5.63	1401.99	.37	2.91	.05	93.71	564.15	4.82	55.00	44.66	55.00
	4.273	500.00	6.40	1405.89	.42	3.88	.01	59.39	579.02	5.47	55.00	42.64	55.00
	4.368	500.00	6.60	1409.78	.32	3.88	.01	106.35	592.86	6.16	55.00	70.65	55.00
*	4.464	505.00	5.54	1412.41	.36	2.62	.01	38.26	605.95	5.95	55.00	40.17	55.00
	4.541	406.00	5.42	1414.25	.50	1.80	.04	64.52	616.53	5.44	55.00	41.94	55.00
	4.635	495.00	5.86	1417.57	.66	3.28	.05	70.22	627.70	5.71	55.00	38.49	60.73
	4.731	505.00	6.34	1420.73	.31	3.13	.04	55.92	639.22	6.02	55.00	60.40	55.00
	4.827	505.00	8.12	1424.38	.42	3.62	.03	86.22	651.32	5.46	.00	70.83	55.00
	4.918	480.00	4.37	1427.09	.28	2.69	.01	47.66	661.12	6.21	55.00	58.24	55.00
	5.011	490.00	5.51	1429.69	.26	2.59	.00	66.19	673.13	6.12	55.00	67.76	55.00
	5.106	500.00	5.00	1432.22	.34	2.51	.02	39.86	686.18	6.08	55.00	44.67	55.00
*	5.201	500.00	5.20	1435.55	1.08	2.85	.22	87.00	696.94	6.07	55.00	38.19	55.00
	5.307	560.00	5.71	1439.10	.73	3.52	.04	48.98	707.05	6.77	55.00	35.96	55.00

	SECND	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	1.13	3.26	.12	71.52	716.82	5.75	55.00	37.86	55.00
	5.518	550.00	5.45	1445.67	.56	3.13	.06	46.84	726.86	6.50	55.00	39.51	55.00
	5.626	570.00	4.39	1448.32	.73	2.61	.05	46.26	738.07	6.49	55.00	37.65	55.00
	5.732	560.00	6.43	1451.32	.56	2.99	.02	63.69	748.04	6.06	55.00	48.81	57.62
	5.824	485.00	5.15	1453.91	.25	2.55	.03	45.58	758.12	6.46	55.00	63.31	55.00
	5.934	580.00	4.83	1456.89	.22	2.98	.00	54.29	773.90	6.68	55.00	67.23	55.00
*	6.033	525.00	5.90	1460.62	.48	3.65	.08	111.94	784.79	7.04	55.00	68.95	.00
	6.144	590.00	6.95	1465.25	.37	4.62	.01	64.23	795.42	7.68	55.00	67.72	55.00
	6.244	530.00	7.55	1468.03	.24	2.77	.01	47.02	806.80	6.59	55.00	64.90	55.00
	6.364	635.00	6.93	1470.85	.51	2.73	.08	46.29	819.18	4.74	55.00	39.52	55.00
	6.480	610.00	5.41	1473.36	.56	2.50	.01	37.09	830.05	3.91	55.00	29.42	55.00
*	6.585	555.00	6.49	1476.72	.98	3.04	.13	90.42	838.28	3.24	55.00	29.83	55.00
*	6.697	590.00	5.25	1480.05	.21	3.25	.08	36.95	850.00	4.24	55.00	45.93	55.00
	6.801	550.00	2.91	1482.88	.52	2.74	.10	69.95	863.41	5.16	55.00	47.75	55.00
	6.908	565.00	7.26	1486.63	.72	3.69	.06	63.34	874.08	4.61	55.00	36.24	55.00
	7.012	550.00	4.55	1489.68	.88	3.00	.05	48.84	882.78	5.00	55.00	32.89	55.00
*	7.130	625.00	4.64	1494.36	.84	4.67	.00	128.99	891.55	6.82	55.00	63.88	55.00
*	7.232	540.00	5.74	1498.06	.18	3.64	.07	41.37	903.17	8.09	55.00	69.61	55.00
	7.337	555.00	5.23	1500.54	.46	2.39	.08	44.96	916.84	7.38	55.00	53.22	55.00
	7.448	585.00	6.84	1503.31	.95	2.63	.15	44.77	925.98	5.67	55.00	32.84	55.00
	7.562	600.00	4.33	1506.92	.39	3.55	.06	80.62	935.19	7.23	55.00	69.00	55.00
*	7.666	550.00	5.64	1509.86	.24	2.92	.01	36.83	947.00	7.22	55.00	62.56	55.00
	7.770	550.00	4.55	1512.30	.45	2.37	.06	51.84	958.05	6.94	55.00	60.78	55.00
	7.883	595.00	6.39	1515.77	.38	3.46	.01	67.65	968.34	6.69	55.00	68.12	55.00
	7.988	555.00	8.29	1518.79	.24	3.01	.01	44.83	979.59	5.26	55.00	58.68	42.40
*	8.092	550.00	6.18	1522.59	.47	3.73	.07	94.70	990.94	5.42	55.00	70.18	37.21

	SECNO	XLCH	K*CHSL	EG	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	8.196	550.00	4.73	1526.58	.27	3.97	.02	56.73	1000.61	7.01	.00	64.84	55.00
	8.301	555.00	4.86	1529.67	.30	3.09	.01	62.90	1010.52	7.38	55.00	71.05	55.00
	8.407	560.00	7.50	1533.03	.22	3.35	.01	58.63	1021.86	6.61	55.00	71.08	55.00
	8.524	620.00	5.81	1536.64	.43	3.55	.06	59.64	1033.84	6.41	55.00	56.06	55.00
	8.634	580.00	5.00	1540.06	.30	3.41	.01	60.07	1044.51	7.06	55.00	63.45	55.00
	8.736	540.00	5.19	1542.74	.19	2.67	.01	41.63	1056.18	7.05	55.00	69.99	55.00
	8.840	550.00	5.82	1545.37	.91	2.41	.22	46.12	1066.68	5.75	55.00	30.95	55.00
	8.948	570.00	7.02	1547.61	.28	2.18	.06	32.22	1076.41	4.63	55.00	44.33	55.00
*	9.053	555.00	6.67	1551.13	.77	2.59	.15	72.31	1086.27	3.96	55.00	32.79	55.00
	9.158	555.00	5.23	1555.04	.31	3.86	.05	69.07	1095.92	5.42	50.54	57.68	56.05
	9.262	550.00	6.18	1557.98	.49	2.88	.05	39.93	1105.69	4.78	55.00	33.89	42.47
	9.375	595.00	5.55	1560.67	.61	2.66	.04	53.77	1113.68	4.05	55.00	31.83	37.81
	9.481	560.00	3.57	1563.99	.20	3.28	.04	63.39	1123.04	5.79	60.21	64.00	55.00
	9.585	550.00	7.27	1567.86	.16	3.87	.00	80.26	1134.43	5.71	55.00	71.50	55.00
	9.691	560.00	8.39	1571.95	.15	4.08	.00	66.65	1146.90	5.10	55.00	68.59	55.00
*	9.765	390.00	5.90	1573.51	.08	1.56	.01	30.14	1156.57	4.43	55.00	60.33	55.00
	9.783	94.80	28.48	1573.88	.15	.35	.02	46.82	1159.11	2.03	55.00	28.41	55.00
	9.888	555.00	2.70	1576.86	.14	2.97	.00	57.42	1172.74	3.52	55.00	57.09	55.00
*	9.997	575.00	4.87	1581.47	.27	4.58	.04	117.53	1184.43	5.20	55.00	82.12	55.00
*	10.103	560.00	5.89	1584.19	.27	2.71	.00	34.81	1193.47	4.62	55.00	32.40	55.00
*	10.207	550.00	4.91	1586.86	.15	2.67	.01	71.95	1205.36	4.71	55.00	75.65	46.81
	10.311	550.00	5.45	1589.63	.10	2.76	.01	37.02	1219.66	4.53	55.00	61.32	55.00
*	10.415	550.00	5.45	1593.18	.26	3.50	.05	118.58	1233.79	4.92	55.00	73.40	55.00
*	10.521	560.00	6.96	1596.47	.14	3.28	.01	36.62	1245.58	4.43	55.00	58.97	55.00
*	10.606	450.00	3.11	1599.04	.17	2.56	.01	105.37	1255.73	5.57	55.00	78.47	55.00
*	10.681	395.00	6.84	1601.05	.26	1.99	.03	30.91	1263.99	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	1273.81	4.99	55.00	63.60	55.00
*	10.890	550.00	7.27	1608.75	.14	4.12	.05	40.77	1285.56	5.61	55.00	58.50	55.00
*	10.996	555.00	4.32	1611.00	.12	2.25	.00	39.18	1295.36	5.48	55.00	64.44	55.00
	11.101	555.00	4.68	1613.31	.09	2.31	.00	42.38	1299.39	5.22	55.00	72.73	.00
*	11.205	550.00	4.18	1618.10	.56	4.65	.14	256.32	1302.22	7.23	55.00	64.37	.00
*	11.309	550.00	8.73	1622.60	.13	4.45	.04	36.73	1305.09	7.36	55.00	63.73	.00
*	11.405	505.00	11.09	1625.70	.35	3.04	.07	105.38	1307.96	4.65	.00	63.64	.00
*	11.512	565.00	6.02	1628.50	.17	2.79	.02	28.47	1310.48	4.23	.00	34.14	.00
	11.578	350.00	7.43	1631.38	.31	2.83	.04	171.38	1312.89	4.37	55.00	69.32	55.00
*	11.642	340.00	6.47	1633.63	.11	2.22	.02	37.70	1316.53	4.61	55.00	61.58	55.00
*	11.717	395.00	9.62	1636.05	.25	2.38	.04	126.28	1321.04	3.10	55.00	57.10	.00
*	11.776	310.00	6.13	1638.39	.08	2.33	.02	56.11	1324.67	3.70	55.00	61.58	.00
	11.885	575.00	4.70	1642.31	.10	3.92	.00	85.36	1333.42	4.92	55.00	62.08	55.00
	11.950	365.00	11.51	1645.72	.09	3.41	.00	98.57	1338.99	4.14	55.00	60.71	55.00
	12.043	470.00	8.09	1648.79	.05	3.06	.00	35.96	1345.07	3.44	.00	61.47	55.00
*	12.107	340.00	7.94	1651.10	.16	2.28	.03	139.08	1348.16	2.94	.00	58.42	55.00
*	12.179	380.00	7.11	1654.29	.13	3.19	.00	57.43	1351.46	3.46	.00	68.82	55.00
*	12.275	505.00	5.94	1657.15	.10	2.85	.00	55.36	1358.98	3.35	55.00	61.85	55.00
	12.370	500.00	6.00	1660.25	.21	3.07	.03	70.82	1368.66	3.34	50.00	41.21	51.62
	12.464	495.00	5.25	1663.03	.13	2.77	.01	61.10	1377.70	3.60	55.00	61.88	55.00
	12.560	505.00	5.74	1666.02	.17	2.98	.01	64.26	1389.83	3.66	55.00	48.00	85.87
	12.657	510.00	5.69	1669.41	.21	3.37	.01	62.47	1403.17	4.09	55.00	54.92	48.91
*	12.697	210.00	7.62	1670.33	.28	.91	.02	31.39	1407.88	3.35	.00	28.00	55.19
*	12.701	20.00	-27.50	1670.37	.25	.03	.01	8.88	1408.29	3.97	24.00	13.00	16.00
	12.709	40.00	5.00	1670.41	.24	.03	.00	8.16	1409.06	3.82	24.00	13.00	16.00
*	12.712	16.00	34.38	1671.71	.69	.03	.23	50.85	1409.37	4.12	.00	28.00	55.72

	SECNO	XLCH	K*CHSL	EG	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	12.740	150.00	1.33	1672.48	.41	.74	.03	47.45	1412.38	4.97	55.00	28.62	55.00
	-10.890	550.00	.00	1608.75	.14	.00	.00	40.78	1426.27	5.61	55.00	58.50	55.00
*	20.996	555.00	4.32	1613.60	.62	3.57	.14	353.84	1435.52	7.58	.00	.00	55.00
*	21.101	555.00	4.68	1616.06	.12	2.42	.05	42.06	1437.88	7.94	.00	.00	55.00
	21.205	550.00	11.45	1618.55	.22	2.45	.03	77.36	1442.72	4.03	.00	.00	55.00
	21.309	550.00	3.09	1621.28	.15	2.72	.01	60.37	1446.90	5.13	.00	.00	55.00
	21.405	505.00	8.32	1623.69	.19	2.40	.01	66.29	1451.00	3.30	.00	.00	55.00
	21.512	565.00	7.96	1629.47	.22	5.77	.01	116.34	1457.52	4.55	.00	.00	55.00
*	21.578	350.00	5.14	1630.08	.05	.60	.02	16.76	1459.94	3.53	.00	.00	55.00
*	21.642	340.00	7.06	1632.89	.38	2.56	.10	400.01	1467.20	3.61	.00	.00	55.00
*	21.717	395.00	9.62	1637.06	.08	4.14	.03	32.15	1473.10	4.27	.00	.00	55.00
*	21.776	310.00	6.13	1640.56	.43	3.40	.10	346.79	1478.02	5.53	.00	.00	55.00
*	21.885	575.00	4.70	1643.93	.09	3.33	.03	36.53	1482.29	6.54	.00	.00	55.00
*	21.954	365.00	11.51	1646.09	.25	2.12	.05	239.65	1485.57	4.34	.00	.00	55.00
*	22.043	470.00	8.09	1649.94	.08	3.83	.02	41.78	1491.25	4.56	.00	.00	55.00
*	22.107	340.00	7.94	1651.96	.10	2.01	.01	105.27	1496.04	3.86	.00	.00	55.00
	22.179	380.00	7.11	1653.92	.07	1.96	.00	112.48	1498.82	3.15	.00	.00	89.13
	22.275	505.00	5.94	1657.42	.08	3.50	.00	34.22	1505.81	3.65	.00	.00	55.00
*	22.370	500.00	6.00	1660.07	.31	2.58	.07	321.39	1508.62	3.06	.00	.00	55.00
*	22.464	495.00	5.25	1663.16	.04	3.06	.03	28.75	1509.86	3.82	.00	.00	55.00
*	22.560	505.00	5.74	1665.70	.07	2.53	.01	253.90	1511.35	3.43	.00	.00	90.00
	-10.890	550.00	.00	1608.75	.14	.00	.00	40.78	1520.21	5.61	55.00	58.50	55.00
*	30.996	555.00	4.32	1610.49	.23	1.71	.03	13.74	1529.60	4.86	33.41	.00	.00
*	31.101	555.00	4.68	1613.85	1.46	2.17	.37	101.53	1532.15	4.39	34.41	.00	.00
*	31.205	550.00	4.18	1616.92	.58	2.97	.09	39.00	1533.42	6.04	31.61	.00	.00
*	31.309	550.00	8.73	1622.09	.38	3.16	.02	56.35	1535.79	6.61	40.95	.00	.00

	SECNO	XLCH	K*CHSL	EG	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	1538.42	5.16	40.51	.00	.00
*	31.512	565.00	6.02	1628.42	.10	2.11	.03	29.01	1541.24	4.22	50.59	.00	.00
	-11.950	365.00	.00	1645.73	.09	.00	.00	99.78	1545.52	4.14	55.00	60.71	55.00
	42.043	470.00	8.09	1648.91	.05	3.18	.00	36.53	1551.36	3.56	55.00	.00	.00
*	42.107	340.00	7.94	1650.54	.07	1.62	.01	72.17	1554.05	2.47	55.00	.00	.00
	42.179	380.00	7.11	1652.24	.02	1.69	.00	30.17	1556.24	1.51	55.00	.00	.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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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
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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  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.247  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL

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=     3.284  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.291  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.299  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
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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
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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

CAUTION SECNO=    21.642  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    21.642  PROFILE=  1  MINIMUM SPECIFIC ENERGY

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
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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
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*****************************************
*  HEC-2 WATER SURFACE PROFILES         *
*****************************************
*                                       *
*  Version   4.6.2;  May 1991           *
*                                       *
*  RUN DATE    18JUL93    TIME   12:08:43 *
*****************************************
```

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

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

THIS RUN EXECUTED 18JUL93 12:08:44

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************************************
 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:7\16\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                                  9798.43   10152.23
ET                          9.1
        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.
```

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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

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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
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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.

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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
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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.

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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
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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  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                     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
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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	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	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	1360.8	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			9.1						9851.5	9977.3

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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                       9.1                                              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
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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.
        MANNING'S N REDUCED TO .012 TO MODEL FORMED AND FINISHED CONCRETE WITH
        NO SIGNIFICANT SEDIMENT DEPOSITION OR DEBRIS AS THE UPSTREAM DETENTION
        AREA TRAPS THIS MATERIAL.
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     .012      .012      .012
        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   1380.5   9976.3    1373.45    9976.3   1373.45   10023.7    1380.5   10023.7
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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   1380.8   9973.2  1373.35   9973.2   1373.35   10026.9    1380.8   10026.9

X1    3.285        4   9970.1  10030.0       6.2       6.2       6.2
GR   1381.2   9970.1  1373.35   9970.1   1373.35   10030.0    1381.2   10030.0

        END CONCRETE INLET TRANSITION. BEGIN TRANSITION CONSISTING OF EARTH
        INVERT (SLOPE=0.0'/FT.) AND ROCK RIPRAP LINED DIKES(SIDESLOPE:2H:1V).
        END OF CONCRETE TRANSITION HAS WIDTH=72.33 FEET AND VERTICAL WALL
        HT.=8.55 FT. (I.E.,TOP OF WALL EL.=1381.9 AND CONC. I.E.=1373.35).
X1    3.287        4   9963.8  10036.2      12.5      12.5      12.5
GR   1381.9   9963.8  1373.35   9963.8   1373.35   10036.2    1381.9   10036.2

NC     .035     .035      .03
        INCREASE MANNING'S N VALUES TO .035,.035 AND .03 FOR LT.,RT.AND CHANN.
X1    3.291        4   9953.8  10046.2      22.1      22.1      22.1
GR   1382.2   9934.4   1373.3   9953.8   1373.3   10046.2    1382.2   10065.6

X1    3.299        4     9910    10082      38.4      38.4      38.4
GR   1382.4     9910   1373.3     9926   1373.3     10065    1382.2     10082

X1    3.302        4     9885    10116         20        20        20
GR   1382.7     9885   1373.3     9902   1373.3     10087    1382.3     10116

        END OF ROCK RIPRAP LINED DIKE TRANSITION.
        THE ROCK RIPRAP LINED DIKES CURVE OUTWARD AS THEY EXTEND UPSTREAM FROM
        THE 47.33 FT. WIDE CONC. OVERCHUTE.THE RIPRAP LINED DIKE ON THE RT.SIDE
        ENDS APPROX. 115 FT. RT. OF THE CENTERLINE THRU. THE OVERCHUTE.A
        COOLECTIVE DIKE OF COMPACTED FILL CONTINUES PERPENDICULAR TO FLOW FOR
        APPROX. ANOTHER 250 FT. BEFORE TRANSITIONING TO EX. HIGH GRAOUND.
        THE RIPRAP LINED DIKE ON THE LEFT SIDE (LOOKING DOWNSTREAM) EXTENDS
        155 FT. LT. OF THE CENTERLINE THRU THE OVERCHUTE. A COOLECTIVE DIKE
        OF COMPACTED FILL CONTINUES PERPENDICULAR TO FLOW FOR APPRX. ANOTHER
        700 FT. LT OF THE RIPRAP DIKE.
        FIELD SURVEYS AT MAPPING DATUM (NGVD 1929) INDICATE A LOW TOP OF DIKE
        AT THE RT. SIDE (APPROX. 105 FT. RT OF CENTERLINE) OF 1382.3, AND A LOW
        TOP OF DIKE OF 1382.8 (APPRX. 420 FT LT. OF CENTERLINE) ON THE LEFT SIDE
        , LOOKING DOWNSTREAM.
        WITH THESE DIKES MODELED INTACT THE PEAK 100 YR.24-HR DISCHARGE PONDING
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ELEVATION IS 1382.2. THIS IS WELL BELOW THE 3 TO 3.5 FT. OF FREEBOARD
REQUIRED BY FEMA.
FOR THIS ANALYSIS THE LEVEES WERE MODELED INPLACE TO OBTAIN THE PEAK
UPSTREAM PONDING ELEVATION POSSIBLE BEFORE BREACHING OF THE DIKES MIGHT
OCCUR. DOWNSTREAM THE ATTUENUATION OF PEAK FLOWS FROM 4957 TO 3277 CFS,.
DUE TO STORAGE ROUTING UPSTREAM OF THE OVERCHUTE WAS CONSIDERED
APPROPRIATE. THIS WAS BECAUSE THE CAP CANAL WAS CONSIDERED CAPABLE OF
INTERCEPTING THIS DIFFERENCE IN DISCHARGES OF 1680 CFS. THE CAP CANAL
HAS A DESIGN DISCHARGE OF 3000 CFS WHICH IS CONVEYED IN A CONCRETE
LINED CHANNEL WITH 1.5 (H): 1 (V) SIDESLOPES AND A 24 FT. BOTTOM
WIDTH AT A LONG. SLOPE OF 0.00008 FT./FT. THE DESIGN FLOW DEPTH IS
16.43 FT..THE CONCRETE LINING EXTENDS 3 FT. ABOVE DESIGN DEPTH (19.43
FT. ABOVE INVERT) AND A COMPACTED EARTH MAINTENACE RD. EMBANKMENT
1.5 FT. ABOVE THE CONC. LINING. (20.93 FT. ABOVE CANAL INVERT).
A HEC2 MODEL HYDRALIC ANALYSIS OF THE CAP CANAL INDICATED THAT
THE FLOW DEPTH AT 4680 CFS (3000 CFS DESIGN AND 1680 CFS BREAKOUT)
WAS 20.18 FT. DEEP FROM CANAL INVERT. FURTHERMORE, BREAKOUT FROM THE
WAS ESTIMATED TO START AT APPROX. 5300 CFS. OR AT APPROX. 2300 CFS.
OF BREAKOUT.
THERFORE THE ATTENUATED PEAK 100 YR. DISCHARGE OF 3277CFS WAS USED
DOWNSTREAM OF THE OVERCHUTE. THE SECTIONS 3.109 AND 3.190 WERE
MODELED WITH THE OVERBANKS EFFECTIVE TO MODEL POSSIBLE BREAKOUT FLOW
CROSSING THE CAP CANAL AND REENTERING DAGGS WASH.

X1	3.306	4	9855	10152	19.5	19.5	19.5			
GR	1382.9	9855	1373.3	9874	1373.3	10126	1382.6	10152		
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.) EQUALS 4957 CFS BEFORE
STORAGE ROUTING UPSTREAM OF CAP CANAL OVERCHUTE. AFTER STORAGE ROUTING

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									
ET			9.1						9307.99	10703.52

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
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	9729.5	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									
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
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
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
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			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
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
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
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
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
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
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
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
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
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
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
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
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: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	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

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  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.   104B0.
  PER Q=      .7
   AREA=     B.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
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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	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	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	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	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	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	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 3.109
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

3.109	4.73	1361.53	1361.32	.00	1362.33	.79	2.68	.12	1360.30
3277.0	92.2	2782.2	402.6	30.7	363.5	137.9	262.9	200.7	1360.90
.95	3.00	7.65	2.92	.055	.035	.055	.000	1356.80	9828.17
.008166	550.	500.	470.	4	14	0	.00	347.86	10289.50

FLOW DISTRIBUTION FOR SECNO= 3.11 CWSEL= 1361.53

STA=	9828.	9852.	9977.	10196.	10224.	10235.	10289.
PER Q=	2.8	84.9	3.4	3.9	3.6	1.4	
AREA=	30.7	363.5	58.5	35.5	25.8	18.0	
VEL=	3.0	7.7	1.9	3.6	4.5	2.6	
DEPTH=	1.3	2.9	.3	1.3	2.5	.3	

1490 NH CARD USED
*SECNO 3.190

3265 DIVIDED FLOW

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

3.190	8.16	1364.06	.00	.00	1364.59	.53	2.24	.03	1364.80
3277.0	.0	2280.6	996.4	.0	340.2	336.1	268.6	203.8	1361.00
.97	.00	6.70	2.96	.000	.038	.045	.000	1355.90	9935.49
.003728	440.	430.	390.	3	0	0	.00	329.39	10598.89

FLOW DISTRIBUTION FOR SECNO= 3.19 CWSEL= 1364.06

STA=	9935.	10007.	10044.	10084.	10469.	10479.	10503.	10524.	10599.
PER Q=	69.6	11.4	3.0	5.2	3.1	3.3	3.8	.7	
AREA=	340.2	79.5	43.8	74.7	30.1	42.3	45.4	20.2	
VEL=	6.7	4.7	2.2	2.3	3.3	2.6	2.7	1.1	
DEPTH=	4.8	2.1	1.1	.2	2.9	1.8	2.1	.3	

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 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 3.247

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE 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      1.75       .57   1360.90
  3277.0     323.6    2741.5     211.9     32.0     211.5      25.1     271.9     205.1   1360.50
     .97     10.10     12.96      8.43     .032      .032      .032      .000   1360.00   9971.30
 .009671      315.      315.      280.       20        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    211.5     25.1
    VEL=      6.2     11.9     13.0      8.4
  DEPTH=      4.0      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     272.0     205.1   1367.00
     .98       .00     13.11       .00      .000      .030      .000      .000   1361.00   9976.30
 .009963       20.       20.       20.        20         8         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= 3.25 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	272.1	205.1	1369.40
.98	.00	8.45	.00	.000	.030	.000	.000	1358.40	9976.31
.004602	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

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   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
     3.254      7.07   1368.47   1368.47       .00   1371.15      2.68       .06       .79   1372.40
    3277.0        .0    3277.0        .0        .0     249.2        .0     272.2     205.1   1372.40
       .98       .00     13.15       .00      .000      .030      .000      .000   1361.40   9976.34
   .018480        7.        7.        7.        20        19         0       .00     47.36  10023.70


FLOW DISTRIBUTION FOR SECNO=      3.25          CWSEL=   1368.47

STA=    9976.   10024.
  PER Q=    100.0
   AREA=    249.2
    VEL=     13.1
  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     272.2     205.2   1375.40
       .98       .00     13.12       .00      .000      .030      .000      .000   1364.40   9976.34
   .018339        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     249.7        .0     272.2     205.2   1378.50
       .98       .00     13.12       .00      .000      .030      .000      .000   1367.50   9976.34
   .018369        7.        7.        7.        20         5         0       .00     47.36  10023.70
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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= 1374.58

STA= 9976. 10024.
PER Q= 100.0
AREA= 249.7
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.
MANNING'S N REDUCED TO .012 TO MODEL FORMED AND FINISHED CONCRETE WITH
NO SIGNIFICANT SEDIMENT DEPOSITION OR DEBRIS AS THE UPSTREAM DETENTION
AREA TRAPS THIS MATERIAL.

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	272.3	205.2	1381.50
.98	.00	13.12	.00	.000	.030	.000	.000	1370.50	9976.34
.018365	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

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	272.3	205.2	1380.30
.98	.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 = 3.41

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	272.3	205.2	1380.30
.98	.00	6.35	.00	.000	.012	.000	.000	1369.37	9976.30
.000181	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	272.5	205.2	1380.30
.98	.00	6.35	.00	.000	.012	.000	.000	1369.37	9976.30
.000180	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	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 3.264

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .42

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	6.13	1379.58	.00	.00	1381.56	1.97	.00	.67	1380.50
3277.0	.0	3277.0	.0	.0	290.7	.0	272.6	205.2	1380.50
.98	.00	11.27	.00	.000	.012	.000	.000	1373.45	9976.30
.001004	13.	13.	13.	3	0	0	.00	47.40	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.26 CWSEL= 1379.58

STA= 9976. 10024.
PER Q= 100.0
AREA= 290.7
VEL= 11.3
DEPTH= 6.1

*SECNO 3.267

3.267	6.15	1379.60	.00	.00	1381.57	1.97	.01	.00	1380.50
3277.0	.0	3277.0	.0	.0	291.2	.0	272.7	205.2	1380.50
.98	.00	11.25	.00	.000	.012	.000	.000	1373.45	9976.30
.000998	12.	12.	12.	1	0	0	.00	47.40	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.27 CWSEL= 1379.60

STA= 9976. 10024.
PER Q= 100.0
AREA= 291.2
VEL= 11.3
DEPTH= 6.1

*SECNO 3.269

3.269	6.26	1379.71	.00	.00	1381.60	1.89	.01	.02	1380.50
3277.0	.0	3277.0	.0	.0	296.7	.0	272.7	205.2	1380.50
.98	.00	11.04	.00	.000	.012	.000	.000	1373.45	9976.30
.000942	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= 1379.71

STA= 9976. 10024.
PER Q= 100.0
AREA= 296.7
VEL= 11.0
DEPTH= 6.3

*SECNO 3.273

3.273	6.35	1379.80	.00	.00	1381.64	1.84	.02	.02	1380.50
3277.0	.0	3277.0	.0	.0	300.9	.0	272.9	205.3	1380.50
.98	.00	10.89	.00	.000	.012	.000	.000	1373.45	9976.30
.000902	24.	24.	24.	2	0	0	.00	47.40	10023.70

FLOW DISTRIBUTION FOR SECNO= 3.27 CWSEL= 1379.80

STA= 9976. 10024.
PER Q= 100.0
AREA= 300.9
VEL= 10.9
DEPTH= 6.3

*SECNO 3.282

END CONCRETE OVERCHUTE FLUME. BEGIN CONCRETE INLET TRANSITION.

3.282	6.51	1379.96	.00	.00	1381.71	1.75	.04	.03	1380.50
3277.0	.0	3277.0	.0	.0	308.5	.0	273.2	205.3	1380.50
.98	.00	10.62	.00	.000	.012	.000	.000	1373.45	9976.30
.000836	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= 308.5
VEL= 10.6
DEPTH= 6.5

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

*SECNO 3.284
3280 CROSS SECTION 3.28 EXTENDED .12 FEET

3301 HV CHANGED MORE THAN HVINS

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

3.284	7.58	1380.93	.00	.00	1381.93	1.01	.00	.22	1380.80
3277.0	.0	3277.0	.0	.0	406.4	.0	273.3	205.3	1380.80
.98	.00	8.06	.00	.000	.012	.000	.000	1373.35	9973.20
.000397	6.	6.	6.	3	0	0	.00	53.70	10026.90

FLOW DISTRIBUTION FOR SECNO= 3.28 CWSEL= 1380.93

STA= 9973. 10027.
PER Q= 100.0
AREA= 406.4
VEL= 8.1
DEPTH= 7.6

*SECNO 3.285
3280 CROSS SECTION 3.29 EXTENDED .08 FEET

3.285	7.93	1381.28	.00	.00	1382.02	.74	.00	.08	1381.20
3277.0	.0	3277.0	.0	.0	475.2	.0	273.4	205.3	1381.20
.98	.00	6.90	.00	.000	.012	.000	.000	1373.35	9970.10
.000268	6.	6.	6.	2	0	0	.00	59.90	10030.00

FLOW DISTRIBUTION FOR SECNO= 3.29 CWSEL= 1381.28

STA= 9970. 10030.
PER Q= 100.0
AREA= 475.2
VEL= 6.9
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 LINED DIKES(SIDESLOPE:2H:1V). END OF CONCRETE TRANSITION HAS WIDTH=72.33 FEET AND VERTICAL WALL HT.=8.55 FT. (I.E.,TOP OF WALL EL.=1381.9 AND CONC. I.E.=1373.35).

3.287	8.29	1381.64	.00	.00	1382.10	.46	.00	.08	1381.90
3277.0	.0	3277.0	.0	.0	600.4	.0	273.5	205.3	1381.90
.98	.00	5.46	.00	.000	.012	.000	.000	1373.35	9963.80
.000152	13.	13.	13.	2	0	0	.00	72.40	10036.20

FLOW DISTRIBUTION FOR SECNO= 3.29 CWSEL= 1381.64

STA=	9964.	10036.
PER Q=	100.0	
AREA=	600.4	
VEL=	5.5	
DEPTH=	8.3	

*SECNO 3.291

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

INCREASE MANNING'S N VALUES TO .035,.035 AND .03 FOR LT.,RT.AND CHANN.

3.291	8.69	1381.99	.00	.00	1382.19	.20	.00	.08	1373.30
3277.0	154.2	2968.6	154.2	82.3	803.0	82.3	273.9	205.4	1373.30
.98	1.87	3.70	1.87	.035	.030	.035	.000	1373.30	9934.86
.000312	22.	22.	22.	2	0	0	.00	130.29	10065.14

FLOW DISTRIBUTION FOR SECNO= 3.29 CWSEL= 1381.99

STA=	9935.	9954.	10046.	10065.
PER Q=	4.7	90.6	4.7	
AREA=	82.3	803.0	82.3	
VEL=	1.9	3.7	1.9	
DEPTH=	4.3	8.7	4.3	

*SECNO 3.299

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 = 1.44

3.299	8.84	1382.14	.00	.00	1382.23	.09	.01	.03	1382.40
3277.0	.0	3277.0	.0	.0	1372.0	.0	274.9	205.5	1382.20
.99	.00	2.39	.00	.000	.030	.000	.000	1373.30	9910.46
.000150	38.	38.	38.	2	0	0	.00	171.43	10081.88

FLOW DISTRIBUTION FOR SECNO= 3.30 CWSEL= 1382.14

STA= 9910. 10082.
PER Q= 100.0
AREA= 1372.0
VEL= 2.4
DEPTH= 8.0

*SECNO 3.302

3.302	8.89	1382.19	.00	.00	1382.24	.05	.00	.01	1382.70
3277.0	.0	3277.0	.0	.0	1844.1	.0	275.7	205.6	1382.30
.99	.00	1.78	.00	.000	.030	.000	.000	1373.30	9885.92
.000082	20.	20.	20.	2	0	0	.00	229.74	10115.66

FLOW DISTRIBUTION FOR SECNO= 3.30 CWSEL= 1382.19

STA= 9886. 10116.
PER Q= 100.0
AREA= 1844.1
VEL= 1.8
DEPTH= 8.0

*SECNO 3.306

END OF ROCK RIPRAP LINED DIKE TRANSITION.
THE ROCK RIPRAP LINED DIKES CURVE OUTWARD AS THEY EXTEND UPSTREAM FROM THE 47.33 FT. WIDE CONC. OVERCHUTE.THE RIPRAP LINED DIKE ON THE RT.SIDE ENDS APPROX. 115 FT. RT. OF THE CENTERLINE THRU. THE OVERCHUTE.A COOLECTIVE DIKE OF COMPACTED FILL CONTINUES PERPENDICULAR TO FLOW FOR APPROX. ANOTHER 250 FT. BEFORE TRANSITIONING TO EX. HIGH GRAOUND.
THE RIPRAP LINED DIKE ON THE LEFT SIDE (LOOKING DOWNSTREAM) EXTENDS 155 FT. LT. OF THE CENTERLINE THRU THE OVERCHUTE. A COOLECTIVE DIKE

OF COMPACTED FILL CONTINUES PERPENDICULAR TO FLOW FOR APPRX. ANOTHER
700 FT. LT OF THE RIPRAP DIKE.
FIELD SURVEYS AT MAPPING DATUM (NGVD 1929) INDICATE A LOW TOP OF DIKE
AT THE RT. SIDE (APPROX. 105 FT. RT OF CENTERLINE) OF 1382.3, AND A LOW
TOP OF DIKE OF 1382.8 (APPRX. 420 FT LT. OF CENTERLINE) ON THE LEFT SIDE
, LOOKING DOWNSTREAM.
WITH THESE DIKES MODELED INTACT THE PEAK 100 YR.24-HR DISCHARGE PONDING
ELEVATION IS 1382.2. THIS IS WELL BELOW THE 3 TO 3.5 FT. OF FREEBOARD
REQUIRED BY FEMA.
FOR THIS ANALYSIS THE LEVEES WERE MODELED INPLACE TO OBTAIN THE PEAK
UPSTREAM PONDING ELEVATION POSSIBLE BEFORE BREACHING OF THE DIKES MIGHT
OCCUR. DOWNSTREAM THE ATTUENUATION OF PEAK FLOWS FROM 4957 TO 3277 CFS,.
DUE TO STORAGE ROUTING UPSTREAM OF THE OVERCHUTE WAS CONSIDERED
APPROPRIATE. THIS WAS BECAUSE THE CAP CANAL WAS CONSIDERED CAPABLE OF
INTERCEPTING THIS DIFFERENCE IN DISCHARGES OF 1680 CFS. THE CAP CANAL
HAS A DESIGN DISCHARGE OF 3000 CFS WHICH IS CONVEYED IN A CONCRETE
LINED CHANNEL WITH 1.5 (H): 1 (V) SIDESLOPES AND A 24 FT. BOTTOM
WIDTH AT A LONG. SLOPE OF 0.00008 FT./FT. THE DESIGN FLOW DEPTH IS
16.43 FT..THE CONCRETE LINING EXTENDS 3 FT. ABOVE DESIGN DEPTH (19.43
FT. ABOVE INVERT) AND A COMPACTED EARTH MAINTENACE RD. EMBANKMENT
1.5 FT. ABOVE THE CONC. LINING. (20.93 FT. ABOVE CANAL INVERT).
A HEC2 MODEL HYDRALIC ANALYSIS OF THE CAP CANAL INDICATED THAT
THE FLOW DEPTH AT 4680 CFS (3000 CFS DESIGN AND 1680 CFS BREAKOUT)
WAS 20.18 FT. DEEP FROM CANAL INVERT. FURTHERMORE, BREAKOUT FROM THE
WAS ESTIMATED TO START AT APPROX. 5300 CFS. OR AT APPROX. 2300 CFS.
OF BREAKOUT.
THERFORE THE ATTENUATED PEAK 100 YR. DISCHARGE OF 3277CFS WAS USED
DOWNSTREAM OF THE OVERCHUTE. THE SECTIONS 3.109 AND 3.190 WERE
MODELED WITH THE OVERBANKS EFFECTIVE TO MODEL POSSIBLE BREAKOUT FLOW
CROSSING THE CAP CANAL AND REENTERING DAGGS WASH.

3.306	8.92	1382.22	.00	.00	1382.25	.03	.00	.01	1382.90
3277.0	.0	3277.0	.0	.0	2438.2	.0	276.6	205.7	1382.60
.99	.00	1.34	.00	.000	.030	.000	.000	1373.30	9856.34
.000045	20.	20.	20.	2	0	0	.00	294.60	10150.94

FLOW DISTRIBUTION FOR SECNO= 3.31 CWSEL= 1382.22

STA= 9856. 10152.
PER Q= 100.0
AREA= 2438.2
VEL= 1.3
DEPTH= 8.3

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 = 2.05

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.) EQUALS 4957 CFS BEFORE
STORAGE ROUTING UPSTREAM OF CAP CANAL OVERCHUTE. AFTER STORAGE ROUTING

3.328	11.14	1382.24	.00	.00	1382.25	.01	.00	.00	1373.80
4957.0	870.0	3793.5	293.5	2095.5	3737.9	622.5	285.8	207.2	1372.60
1.02	.42	1.01	.47	.055	.032	.055	.000	1371.10	9394.11
.000024	90.	90.	90.	1	0	0	.00	1104.13	10498.24

FLOW DISTRIBUTION FOR SECNO= 3.33 CWSEL= 1382.24

STA=	9394.	9767.	9838.	9888.	9942.	9975.	10375.	10425.	10498.
PER Q=	3.2	3.4	3.1	4.6	3.2	76.5	4.8	1.1	
AREA=	653.1	396.0	331.7	429.0	285.7	3737.9	427.5	195.1	
VEL=	.2	.4	.5	.5	.6	1.0	.6	.3	
DEPTH=	1.8	5.6	6.6	7.9	8.7	9.4	8.5	2.7	

1490 NH CARD USED
*SECNO 3.418

3.418	8.96	1382.26	.00	.00	1382.27	.00	.01	.00	1373.30
4957.0	1704.7	1336.4	1915.8	2852.5	2248.5	3768.4	368.0	220.6	1375.00
1.25	.60	.59	.51	.059	.063	.060	.000	1373.30	9306.88
.000039	460.	475.	465.	0	0	0	.00	1397.43	10704.31

FLOW DISTRIBUTION FOR SECNO= 3.42 CWSEL= 1382.26

STA=	9307.	9433.	9490.	9577.	9627.	9723.	9729.	9991.	10007.	10087.	10139.	10211.	10252.
PER Q=	5.0	4.7	9.3	5.0	9.8	.6	25.0	2.0	6.2	4.2	5.7	3.7	
AREA=	515.8	383.4	686.7	397.2	817.8	51.7	2132.6	115.9	575.5	381.4	527.3	318.7	
VEL=	.5	.6	.7	.6	.6	.6	.6	.8	.5	.5	.5	.6	
DEPTH=	4.1	6.8	7.9	8.0	8.5	8.9	8.2	6.9	7.3	7.3	7.3	7.9	

STA=	10252.	10300.	10354.	10460.	10593.	10678.	10704.
PER Q=	4.7	3.0	3.0	4.8	3.2	.1	
AREA=	366.2	289.0	379.7	542.8	358.4	29.3	
VEL=	.6	.5	.4	.4	.4	.2	
DEPTH=	7.6	5.4	3.6	4.1	4.2	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 = .35

3.507	5.90	1382.30	.00	.00	1382.32	.02	.04	.00	1377.60
4957.0	971.1	2784.9	1201.0	913.0	2305.2	1027.5	442.2	234.3	1378.50
1.37	1.06	1.21	1.17	.055	.064	.063	.000	1376.40	9255.99
.000327	550.	470.	470.	1	0	0	.00	1030.77	10286.77

FLOW DISTRIBUTION FOR SECNO= 3.51 CWSEL= 1382.30

STA=	9256.	9407.	9454.	9583.	9987.	10000.	10055.	10121.	10202.	10238.	10265.	10287.
PER Q=	3.3	3.2	13.0	49.3	2.1	4.8	5.8	9.1	4.3	4.0	1.0	
AREA=	240.7	151.0	521.2	2021.7	57.0	226.4	270.2	385.6	179.7	137.0	55.0	
VEL=	.7	1.1	1.2	1.2	1.8	1.1	1.1	1.2	1.2	1.4	.9	
DEPTH=	1.6	3.2	4.0	5.0	4.4	4.1	4.1	4.8	4.9	5.1	2.5	

1490 NH CARD USED
*SECNO 3.601

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = .19

3.601	2.80	1382.60	.00	.00	1382.81	.21	.44	.06	1380.60
4957.0	2174.0	2711.5	71.5	569.9	742.3	23.5	472.4	243.8	1380.50
1.41	3.81	3.65	3.04	.055	.061	.064	.000	1379.80	9296.78
.009350	430.	495.	460.	2	0	0	.00	743.15	10039.93

FLOW DISTRIBUTION FOR SECNO= 3.60 CWSEL= 1382.60

STA=	9297.	9407.	9520.	9581.	9605.	9642.	9966.	10000.	10023.	10040.
PER Q=	11.3	16.6	5.9	3.9	6.1	41.7	7.4	5.5	1.4	
AREA=	152.7	209.1	87.9	47.0	73.2	612.5	66.0	63.7	23.5	
VEL=	3.7	3.9	3.3	4.1	4.1	3.4	5.6	4.3	3.0	
DEPTH=	1.4	1.9	1.4	2.0	2.0	1.9	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 = 1.46

3.696	3.16	1385.56	.00	.00	1385.84	.27	3.01	.02	1383.60
4957.0	1035.0	3890.5	31.4	463.7	846.3	12.9	487.3	252.0	1382.80
1.44	2.23	4.60	2.44	.057	.037	.055	.000	1382.40	9495.09
.004362	465.	500.	480.	4	0	0	.00	732.64	10227.73

FLOW DISTRIBUTION FOR SECNO= 3.70 CWSEL= 1385.56

STA=	9495.	9609.	9646.	9700.	9808.	9851.	10000.	10010.	10218.	10228.
PER Q=	3.7	4.2	6.3	5.8	1.0	51.9	.7	25.8	.6	
AREA=	100.2	73.3	109.4	136.3	44.5	388.3	20.8	437.1	12.9	
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	1.0	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 = .58

3.791	2.83	1388.93	.00	.00	1389.25	.32	3.40	.01	1388.40
4957.0	1058.3	3878.7	20.0	361.4	797.7	7.2	501.0	261.3	1387.20
1.47	2.93	4.86	2.79	.055	.050	.055	.000	1386.10	9307.28
.012899	440.	500.	410.	3	0	0	.00	993.08	10328.66

FLOW DISTRIBUTION FOR SECNO= 3.79 CWSEL= 1388.93

STA=	9307.	9487.	9527.	9594.	9858.	9880.	9897.	9923.	9984.	10000.	10035.	10090.	10320.
PER Q=	11.8	3.9	3.1	2.6	1.5	8.3	3.1	1.0	1.1	17.1	10.5	35.5	
AREA=	174.9	52.2	55.8	78.5	30.5	39.7	52.4	28.1	22.5	80.3	145.7	398.6	
VEL=	3.3	3.7	2.7	1.6	2.4	10.4	3.0	1.8	2.4	10.6	3.6	4.4	
DEPTH=	1.0	1.3	.8	.3	1.4	2.3	2.0	.5	1.4	2.3	2.6	1.7	

STA=	10320.	10329.
PER Q=	.4	
AREA=	7.2	
VEL=	2.8	
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 3.888
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

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

3.888	4.11	1393.21	.00	.00	1393.38	.17	4.12	.02	1391.00
4957.0	1269.9	2951.7	735.4	614.5	844.7	185.7	516.6	272.8	1392.00
1.51	2.07	3.49	3.96	.055	.055	.050	.000	1389.10	8954.11
.005788	430.	510.	570.	3	0	0	.00	1146.42	10100.54

FLOW DISTRIBUTION FOR SECNO= 3.89 CWSEL= 1393.21

STA=	8954.	9176.	9266.	9410.	9515.	9609.	9639.	10015.	10045.	10068.	10091.	10101.
PER Q=	3.8	3.1	4.4	5.0	6.8	2.5	59.5	3.0	4.1	6.5	1.2	
AREA=	127.8	77.5	119.9	112.6	130.9	45.7	844.7	48.5	52.5	67.8	16.9	
VEL=	1.5	2.0	1.8	2.2	2.6	2.7	3.5	3.1	3.9	4.7	3.5	
DEPTH=	.6	.9	.8	1.1	1.4	1.5	2.2	1.6	2.2	3.0	1.7	

1490 NH CARD USED
*SECNO 3.984

3.984	3.99	1396.29	.00	.00	1396.58	.29	3.17	.04	1394.40
4957.0	1252.9	3694.0	10.0	552.1	771.7	4.4	532.2	283.5	1394.20
1.54	2.27	4.79	2.28	.055	.045	.055	.000	1392.30	9006.44
.007783	380.	505.	520.	4	0	0	.00	1039.57	10046.01

FLOW DISTRIBUTION FOR SECNO= 3.98 CWSEL= 1396.29

STA=	9006.	9214.	9264.	9383.	9530.	9674.	9823.	9856.	9975.	9984.	10000.	10023.	10042.
PER Q=	5.6	3.2	5.9	4.6	5.9	24.3	21.0	9.3	.6	7.2	5.6	6.5	
AREA=	135.7	59.2	121.2	113.8	122.2	310.3	103.4	159.4	14.7	40.5	81.6	61.9	
VEL=	2.0	2.7	2.4	2.0	2.4	3.9	10.1	2.9	1.9	8.8	3.4	5.2	
DEPTH=	.7	1.2	1.0	.8	.8	2.1	3.2	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 = 1.43

4.080	4.93	1398.83	.00	.00	1399.03	.19	2.44	.01	1396.70
4957.0	1376.5	2498.8	1081.6	689.2	563.5	430.3	547.5	293.3	1397.20
1.58	2.00	4.43	2.51	.055	.039	.055	.000	1393.90	9270.78
.003784	350.	505.	505.	3	0	0	.00	1028.76	10299.54

FLOW DISTRIBUTION FOR SECNO= 4.08 CWSEL= 1398.83

STA=	9271.	9370.	9445.	9580.	9695.	9757.	9823.	9924.	9963.	10003.	10038.	10102.	10130.
PER Q=	3.7	3.1	7.9	3.5	3.2	6.4	11.2	3.0	33.0	3.3	3.7	3.2	
AREA=	103.5	85.5	188.2	107.4	80.8	123.8	207.5	86.9	182.0	87.0	88.4	57.7	
VEL=	1.8	1.8	2.1	1.6	2.0	2.6	2.7	1.7	9.0	1.9	2.1	2.8	
DEPTH=	1.0	1.1	1.4	.9	1.3	1.9	2.0	2.2	4.6	2.5	1.4	2.1	

STA=	10130.	10151.	10201.	10231.	10300.
PER Q=	3.3	4.1	5.0	2.5	
AREA=	53.8	85.1	77.7	67.6	
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 = .64

4.178	4.82	1401.62	.00	.00	1401.99	.37	2.91	.05	1400.40
4957.0	356.7	3281.0	1319.3	170.9	576.9	450.4	564.1	304.7	1400.60
1.61	2.09	5.69	2.93	.055	.045	.055	.000	1396.80	9511.39
.009371	375.	515.	615.	2	0	0	.00	984.21	10499.14

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=	9511.	9626.	9799.	9804.	9953.	9989.	10021.	10049.	10141.	10159.	10196.	10314.	10388.
PER Q=	3.2	3.7	.3	23.4	2.9	32.0	7.9	7.3	3.0	3.1	3.3	3.1	
AREA=	74.0	91.4	5.5	287.3	62.0	124.6	103.1	116.9	35.7	49.5	80.9	61.2	
VEL=	2.1	2.0	2.8	4.0	2.3	12.7	3.8	3.1	4.2	3.1	2.0	2.5	
DEPTH=	.6	.5	1.1	1.9	1.7	3.9	3.7	1.3	2.1	1.3	.7	.8	

STA=	10388.	10427.	10499.
PER Q=	4.8	1.9	
AREA=	65.4	40.7	
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	3.88	.01	1404.50
4957.0	4.7	3045.4	1907.0	3.6	483.3	723.4	579.0	315.4	1402.80
1.64	1.31	6.30	2.64	.055	.043	.055	.000	1400.00	9909.16
.005939	350.	500.	600.	4	0	0	.00	756.89	10678.91

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	40.3	5.1	10.9	6.8	3.3	3.6	3.2	3.3	3.2	
AREA=	3.5	109.6	129.3	166.5	77.8	146.0	104.4	66.4	107.7	65.0	68.0	72.6	
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	2.8	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=	93.3	
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	6.16	1409.46	.00	.00	1409.78	.32	3.88	.01	1407.40
4957.0	146.3	1860.0	2950.8	39.0	311.3	857.5	592.9	324.8	1407.10
1.67	3.75	5.97	3.44	.055	.071	.055	.000	1403.30	9933.42
.010635	420.	500.	500.	3	0	0	.00	884.73	10824.49

FLOW DISTRIBUTION FOR SECNO= 4.37 CWSEL= 1409.46

STA=	9933.	9961.	10028.	10057.	10088.	10131.	10181.	10250.	10278.	10321.	10546.	10649.	10747.
PER Q=	3.0	37.5	7.3	8.1	7.4	3.3	4.6	5.1	4.9	5.1	3.6	7.0	
AREA=	39.0	311.3	71.7	78.4	84.3	54.9	76.5	55.9	63.5	122.9	77.8	111.6	
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=	60.1	
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	.36	2.62	.01	1409.40
4957.0	556.8	2365.2	2034.9	216.2	363.1	950.2	606.0	333.6	1410.30
1.70	2.58	6.51	2.14	.055	.040	.055	.000	1406.10	9795.31
.003826	550.	505.	365.	3	0	0	.00	1067.64	10865.53

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=	109.5	69.1	37.7	100.0	173.3	89.8	91.1	67.4	93.9	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=	167.4	80.5	105.9	82.2	45.4	
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

4.541	5.44	1413.74	.00	.00	1414.25	.50	1.80	.04	1412.20
4555.0	1343.2	2410.8	801.0	449.9	327.6	320.4	616.5	340.4	1411.10
1.72	2.99	7.36	2.50	.055	.042	.055	.000	1408.30	9646.23
.006452	390.	406.	300.	3	0	0	.00	701.95	10348.17

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=	114.3	83.9	
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	939.7	2799.6	815.7	360.7	354.4	206.0	627.7	347.1	1414.40
1.75	2.61	7.90	3.96	.055	.038	.061	.000	1411.20	9525.67
.007022	450.	495.	515.	2	0	0	.00	522.39	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=	72.9	58.0	81.2	64.9	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	4.6	
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	.04	1419.40
4555.0	586.1	2152.7	1816.2	265.6	405.3	466.3	639.2	352.5	1417.80
1.78	2.21	5.31	3.89	.055	.060	.055	.000	1414.40	9698.87
.005592	400.	505.	550.	2	0	0	.00	517.50	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=	78.9	88.7	78.7	19.4	405.3	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

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	651.3	357.2	1420.30
1.81	.00	4.98	5.37	.000	.071	.055	.000	1418.50	9965.72
.008622	450.	505.	560.	4	0	0	.00	271.61	10237.33

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= 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	73.5	
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

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	661.1	360.5	1424.40
1.83	3.31	4.94	3.83	.055	.058	.055	.000	1420.60	9894.82
.004766	500.	480.	370.	2	0	0	.00	413.03	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	1802.6	1445.5	1306.9	488.7	286.6	378.4	673.1	365.5	1427.00
1.87	3.69	5.04	3.45	.055	.068	.055	.000	1423.30	9737.98
.006619	525.	490.	390.	2	0	0	.00	562.64	10300.62

FLOW DISTRIBUTION FOR SECNO= 5.01 CWSEL= 1429.42

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=	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	2027.6	390.8	655.9	333.9	150.1	686.2	371.3	1429.60
1.90	3.26	6.07	2.60	.055	.045	.055	.000	1425.80	9650.95
.003986	510.	500.	460.	2	0	0	.00	465.86	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	107.3	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	1299.5	2848.5	407.0	338.9	282.1	98.9	696.9	375.8	1431.30
1.91	3.83	10.10	4.12	.055	.038	.055	.000	1428.40	9787.57
.008700	510.	500.	490.	2	5	0	.00	305.26	10092.83

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	57.1	45.1	181.5	46.5	149.0	86.7	41.4	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	1353.0	2760.2	441.8	394.3	328.7	173.2	707.1	380.3	1436.10
1.94	3.43	8.40	2.55	.055	.036	.055	.000	1431.60	9750.59
.004898	520.	560.	580.	2	0	0	.00	417.37	10167.96

FLOW DISTRIBUTION FOR SECNO= 5.31 CWSEL= 1438.37

STA=	9751.	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=	84.5	40.0	95.4	61.5	113.0	85.2	180.5	63.0	69.9	74.7	28.5	
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	1.13	3.26	.12	1439.70
4555.0	731.5	3717.8	105.7	217.2	398.4	37.7	716.8	384.5	1438.90
1.96	3.37	9.33	2.81	.055	.038	.055	.000	1435.60	9823.61
.007152	525.	565.	565.	2	0	0	.00	249.31	10072.92

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= 5.41 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	2608.3	1285.8	155.1	352.8	445.7	726.9	388.4	1443.90
1.98	4.26	7.39	2.88	.055	.040	.055	.000	1438.60	9922.51
.004684	525.	550.	550.	2	0	0	.00	384.74	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	1003.9	3043.4	507.8	277.2	381.1	145.1	738.1	392.4	1444.80
2.01	3.62	7.99	3.50	.055	.038	.055	.000	1441.10	9838.41
.004626	520.	570.	565.	3	0	0	.00	243.58	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	58.6	
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

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	748.0	395.3	1447.70
2.03	2.31	7.20	4.38	.055	.049	.058	.000	1444.70	9946.00
.006369	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	758.1	398.8	1450.90
2.07	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	773.9	405.9	1453.80
2.11	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	784.8	411.6	1468.90
2.14	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	795.4	416.6	1458.50
2.17	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	806.8	420.6	1466.00
2.21	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	819.2	425.9	1468.90
2.24	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	830.1	431.5	1471.90
2.26	.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	838.3	435.8	1475.30
2.28	.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	850.0	441.7	1479.40
2.33	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	863.4	448.2	1480.60
2.36	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

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	874.1	454.9	1484.70
2.38	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	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	882.8	460.6	1485.60
2.40	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	891.5	466.0	1490.00
2.43	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	903.2	473.5	1495.80
2.47	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	916.8	482.0	1498.30
2.50	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	926.0	486.8	1501.30
2.52	.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

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	935.2	490.7	1504.70
2.56	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

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=	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	947.0	495.6	1508.00
2.60	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
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	958.0	499.4	1510.50
2.63	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

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= 7.77 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	968.3	502.9	1514.30
2.66	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	979.6	507.8	1519.90
2.70	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	

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

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

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	990.9	514.3	1521.60
2.73	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

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	1000.6	520.0	1525.20
2.77	.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	

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 8.301
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	1010.5	524.5	1527.90
2.80	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

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	1021.9	530.0	1531.10
2.84	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

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

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	1033.8	536.5	1534.00
2.88	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	1044.5	541.9	1538.50
2.91	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	1056.2	547.1	1540.70
2.96	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

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= 8.74 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	1066.7	552.1	1542.80
2.98	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

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
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	1076.4	556.8	1545.30
3.02	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
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	1086.3	561.6	1547.70
3.04	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

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

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	1095.9	567.8	1553.30
3.08	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

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	1105.7	574.8	1556.70
3.11	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	1113.7	581.4	1559.60
3.13	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	1123.0	588.6	1562.70
3.18	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	1134.4	596.2	1566.70
3.22	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	1146.9	605.0	1572.00
3.28	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

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	1156.6	611.9	1573.20
3.32	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 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	1159.1	613.7	1574.50
3.33	.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

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=	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	1172.7	623.5	1577.60
3.38	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

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	

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 9.997

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	1184.4	631.8	1581.00
3.42	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	

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	1193.5	638.0	1582.70
3.45	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

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= 10.10 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	1205.4	646.0	1586.00
3.50	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

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	

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 10.311
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	1219.7	656.1	1588.60
3.57	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
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	1233.8	667.8	1592.00
3.61	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

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=	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	1245.6	677.2	1594.70
3.66	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

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

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
10.606	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	1255.7	684.1	1596.70
3.70	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

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	1264.0	689.7	1599.50
3.73	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

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	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 10.787
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	1273.8	697.0	1603.60
3.75	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
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3265 DIVIDED FLOW

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

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	1285.6	706.0	1607.60
3.81	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

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=	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	

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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
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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	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 .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

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

1490 NH CARD USED
*SECND .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
*SECND .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
*SECND .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
*SECND .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

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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 1.021

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
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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.=C900. (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

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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
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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   1361.53   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
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 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   1364.06   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
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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	1368.47	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.
MANNING'S N REDUCED TO .012 TO MODEL FORMED AND FINISHED CONCRETE WITH
NO SIGNIFICANT SEDIMENT DEPOSITION OR DEBRIS AS THE UPSTREAM DETENTION
AREA TRAPS THIS MATERIAL.

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 = 3.41

THIS SECTION IS RECTANGULAR SECTION 20 INCHES LOWER IN ELEV. THAN

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      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      .012     .000     .000  1369.37   9976.30
 .000181        0.        0.       0.        2         0        0      .00    47.40  10023.70


*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      .012     .000     .000  1369.37   9976.30
 .000180       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 =   .42

      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      6.13   1379.58      .00   1379.58   1381.55     1.97      .00      .67   1380.50
  3277.0        .0    3277.0       .0       .0     290.6       .0    218.6     88.1   1380.50
     .82       .00     11.28      .00      .000      .012     .000     .000  1373.45   9976.30
 .001004       13.       13.      13.        3         0        0      .00    47.40  10023.70


*SECNO 3.267
   3.267      6.15   1379.60      .00   1379.60   1381.57     1.97      .01      .00   1380.50
  3277.0        .0    3277.0       .0       .0     291.2       .0    218.7     88.1   1380.50
     .82       .00     11.25      .00      .000      .012     .000     .000  1373.45   9976.30
 .000998       12.       12.      12.        1         0        0      .00    47.40  10023.70


*SECNO 3.269
   3.269      6.25   1379.70      .00   1379.71   1381.60     1.90      .01      .02   1380.50
  3277.0        .0    3277.0       .0       .0     296.4       .0    218.8     88.1   1380.50
     .82       .00     11.05      .00      .000      .012     .000     .000  1373.45   9976.30
 .000945       12.       12.      12.        2         0        0      .00    47.40  10023.70


*SECNO 3.273
   3.273      6.36   1379.81      .00   1379.80   1381.64     1.84      .02      .02   1380.50
  3277.0        .0    3277.0       .0       .0     301.4       .0    219.0     88.2   1380.50
     .82       .00     10.87      .00      .000      .012     .000     .000  1373.45   9976.30
 .000898       24.       24.      24.        2         0        0      .00    47.40  10023.70
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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	6.50	1379.95	.00	1379.96	1381.71	1.75	.04	.02	1380.50
3277.0	.0	3277.0	.0	.0	308.3	.0	219.3	88.2	1380.50
.82	.00	10.63	.00	.000	.012	.000	.000	1373.45	9976.30
.000838	48.	48.	48.	2	0	0	.00	47.40	10023.70

*SECNO 3.284

3280 CROSS SECTION 3.28 EXTENDED .12 FEET

3301 HV CHANGED MORE THAN HVINS

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

3.284	7.57	1380.92	.00	1380.93	1381.93	1.01	.00	.22	1380.80
3277.0	.0	3277.0	.0	.0	406.4	.0	219.4	88.2	1380.80
.82	.00	8.06	.00	.000	.012	.000	.000	1373.35	9973.20
.000397	6.	6.	6.	3	0	0	.00	53.70	10026.90

*SECNO 3.285

3280 CROSS SECTION 3.29 EXTENDED .08 FEET

3.285	7.93	1381.28	.00	1381.28	1382.02	.74	.00	.08	1381.20
3277.0	.0	3277.0	.0	.0	475.2	.0	219.4	88.2	1381.20
.82	.00	6.90	.00	.000	.012	.000	.000	1373.35	9970.10
.000268	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 LINED DIKES(SIDESLOPE;2H:1V).
END OF CONCRETE TRANSITION HAS WIDTH=72.33 FEET AND VERTICAL WALL
HT.=8.55 FT. (I.E.,TOP OF WALL EL.=1381.9 AND CONC. I.E.=1373.35).

3.287	8.29	1381.64	.00	1381.64	1382.10	.46	.00	.08	1381.90
3277.0	.0	3277.0	.0	.0	600.4	.0	219.6	88.2	1381.90
.82	.00	5.46	.00	.000	.012	.000	.000	1373.35	9963.80
.000152	13.	13.	13.	2	0	0	.00	72.40	10036.20

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 3.291

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

INCREASE MANNING'S N VALUES TO .035,.035 AND .03 FOR LT.,RT.AND CHANN.

3.291	8.69	1381.99	.00	1381.99	1382.19	.20	.00	.08	1373.30
3277.0	154.2	2968.6	154.2	82.3	803.0	82.3	220.0	88.3	1373.30
.83	1.87	3.70	1.87	.035	.030	.035	.000	1373.30	9934.86
.000312	22.	22.	22.	2	0	0	.00	130.29	10065.14

*SECNO 3.299

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

3.299	8.84	1382.14	.00	1382.14	1382.23	.09	.01	.03	1382.40
3277.0	.0	3277.0	.0	.0	1372.0	.0	221.0	88.4	1382.20
.83	.00	2.39,	.00	.000	.030	.000	.000	1373.30	9910.46
.000150	38.	38.	38.	2	0	0	.00	171.43	10081.88

*SECNO 3.302

3.302	8.89	1382.19	.00	1382.19	1382.24	.05	.00	.01	1382.70
3277.0	.0	3277.0	.0	.0	1844.1	.0	221.7	88.5	1382.30
.83	.00	1.78	.00	.000	.030	.000	.000	1373.30	9885.92
.000082	20.	20.	20.	2	0	0	.00	229.74	10115.65

*SECNO 3.306

END OF ROCK RIPRAP LINED DIKE TRANSITION.
THE ROCK RIPRAP LINED DIKES CURVE OUTWARD AS THEY EXTEND UPSTREAM FROM THE 47.33 FT. WIDE CONC. OVERCHUTE.THE RIPRAP LINED DIKE ON THE RT.SIDE ENDS APPROX. 115 FT. RT. OF THE CENTERLINE THRU. THE OVERCHUTE.A COOLECTIVE DIKE OF COMPACTED FILL CONTINUES PERPENDICULAR TO FLOW FOR APPROX. ANOTHER 250 FT. BEFORE TRANSITIONING TO EX. HIGH GRAOUND.
THE RIPRAP LINED DIKE ON THE LEFT SIDE (LOOKING DOWNSTREAM) EXTENDS 155 FT. LT. OF THE CENTERLINE THRU THE OVERCHUTE. A COOLECTIVE DIKE OF COMPACTED FILL CONTINUES PERPENDICULAR TO FLOW FOR APPRX. ANOTHER 700 FT. LT OF THE RIPRAP DIKE.
FIELD SURVEYS AT MAPPING DATUM (NGVD 1929) INDICATE A LOW TOP OF DIKE AT THE RT. SIDE (APPROX. 105 FT. RT OF CENTERLINE) OF 1382.3, AND A LOW TOP OF DIKE OF 1382.8 (APPRX. 420 FT LT. OF CENTERLINE) ON THE LEFT SIDE , LOOKING DOWNSTREAM.

WITH THESE DIKES MODELED INTACT THE PEAK 100 YR.24-HR DISCHARGE PONDING
ELEVATION IS 1382.2. THIS IS WELL BELOW THE 3 TO 3.5 FT. OF FREEBOARD
REQUIRED BY FEMA.
FOR THIS ANALYSIS THE LEVEES WERE MODELED INPLACE TO OBTAIN THE PEAK
UPSTREAM PONDING ELEVATION POSSIBLE BEFORE BREACHING OF THE DIKES MIGHT
OCCUR. DOWNSTREAM THE ATTUENUATION OF PEAK FLOWS FROM 4957 TO 3277 CFS,.
DUE TO STORAGE ROUTING UPSTREAM OF THE OVERCHUTE WAS CONSIDERED
APPROPRIATE. THIS WAS BECAUSE THE CAP CANAL WAS CONSIDERED CAPABLE OF
INTERCEPTING THIS DIFFERENCE IN DISCHARGES OF 1680 CFS. THE CAP CANAL
HAS A DESIGN DISCHARGE OF 3000 CFS WHICH IS CONVEYED IN A CONCRETE
LINED CHANNEL WITH 1.5 (H): 1 (V) SIDESLOPES AND A 24 FT. BOTTOM
WIDTH AT A LONG. SLOPE OF 0.00008 FT./FT. THE DESIGN FLOW DEPTH IS
16.43 FT..THE CONCRETE LINING EXTENDS 3 FT. ABOVE DESIGN DEPTH (19.43
FT. ABOVE INVERT) AND A COMPACTED EARTH MAINTENACE RD. EMBANKMENT
1.5 FT. ABOVE THE CONC. LINING. (20.93 FT. ABOVE CANAL INVERT).
A HEC2 MODEL HYDRALIC ANALYSIS OF THE CAP CANAL INDICATED THAT
THE FLOW DEPTH AT 4680 CFS (3000 CFS DESIGN AND 1680 CFS BREAKOUT)
WAS~20.18 FT. DEEP FROM CANAL INVERT. FURTHERMORE, BREAKOUT FROM THE
WAS ESTIMATED TO START AT APPROX. 5300 CFS. OR AT APPROX. 2300 CFS.
OF BREAKOUT.
THERFORE THE ATTENUATED PEAK 100 YR. DISCHARGE OF 3277CFS WAS USED
DOWNSTREAM OF THE OVERCHUTE. THE SECTIONS 3.109 AND 3.190 WERE
MODELED WITH THE OVERBANKS EFFECTIVE TO MODEL POSSIBLE BREAKOUT FLOW
CROSSING THE CAP CANAL AND REENTERING DAGGS WASH.

3.306	8.92	1382.22	.00	1382.22	1382.25	.03	.00	.01	1382.90
3277.0	.0	3277.0	.0	.0	2438.1	.0	222.7	88.6	1382.60
.84	.00	1.34	.00	.000	.030	.000	.000	1373.30	9856.34
.000045	20.	20.	20.	2	0	0	.00	294.60	10150.94

CCHV= .100 CEHV= .300
*SECNO 3.328

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 2.05

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.) EQUALS 4957 CFS BEFORE
STORAGE ROUTING UPSTREAM OF CAP CANAL OVERCHUTE. AFTER STORAGE ROUTING

3.328	11.14	1382.24	.00	1382.24	1382.25	.01	.00	.00	1373.80
4957.0	870.0	3793.5	293.5	2095.2	3737.8	622.4	231.9	90.1	1372.60
.87	.42	1.01	.47	.055	.032	.055	.000	1371.10	9396.97
.000024	90.	90.	90.	1	0	0	.00	1099.75	10496.72

1490 NH CARD USED
*SECNO 3.418

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 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=     9308.0   10703.5  TYPE=      1  TARGET=     1395.529
   3.418      8.96   1382.26       .00   1382.26   1382.27       .00       .01       .00   1373.30
  4957.0    1705.0    1336.4    1915.7    2852.4    2248.4    3768.2     314.1     103.4   1375.00
    1.10       .60       .59       .51      .059      .063      .060      .000   1373.30   9307.99
 .000039      460.      475.      465.         0         0         0       .00   1395.53  10703.52


1490 NH CARD USED
*SECNO 3.507

3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =   .35


3470 ENCROACHMENT STATIONS=     9257.0   10286.4  TYPE=      1  TARGET=     1029.330
   3.507      5.89   1382.29       .00   1382.30   1382.32       .02       .04       .00   1377.60
  4957.0     971.0    2784.7    1201.3     912.8    2305.1    1027.4     388.3     117.2   1378.50
    1.21      1.06      1.21      1.17      .055      .064      .063      .000   1376.40   9257.05
 .000327      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 =   .19


3470 ENCROACHMENT STATIONS=     9299.2   10039.7  TYPE=      1  TARGET=      740.520
   3.601      2.80   1382.60       .00   1382.60   1382.81       .21       .44       .06   1380.60
  4957.0    2174.6    2710.7      71.6     569.8     742.2      23.5     418.5     126.6   1380.50
    1.25      3.82      3.65      3.05      .055      .061      .064      .000   1379.80   9299.15
 .009349      430.      495.      460.         2         0         0       .00    740.52  10039.67


1490 NH CARD USED
*SECNO 3.696
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS=     9850.8   10218.4  TYPE=      1  TARGET=      367.601
   3.696      3.67   1386.07       .00   1385.56   1386.43       .36      3.58       .04   1383.60
  4957.0        .0    4957.0        .0        .0    1031.0        .0     431.8     132.9 100000.00
    1.28       .00      4.81       .00      .000      .046      .000      .000   1382.40   9850.80
 .005819      465.      500.      480.         3         0         0       .00    367.60  10218.40
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 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 3.791
1530 MANNINGS N VALUES FOR CHANNEL COMPOSITED

3470 ENCROACHMENT STATIONS=     9858.2   10320.3  TYPE=      1  TARGET=      462.100
    3.791      3.65   1389.75       .00   1388.93   1390.03       .27      3.59       .01   1388.40
   4957.0        .0    4957.0        .0        .0    1178.4        .0     444.5     137.6 100000.00
     1.31       .00      4.21       .00      .000      .062      .000      .000   1386.10   9858.20
  .009064      440.      500.      410.         3         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      4.75   1393.85       .00   1393.21   1394.18       .33      4.14       .02   1391.00
   4957.0        .0    4957.0        .0        .0    1083.2        .0     457.7     142.5 100000.00
     1.34       .00      4.58       .00      .000      .056      .000      .000   1389.10   9639.30
  .007296      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      3.38       .00   1394.40
   4957.0        .0    4957.0        .0        .0    1128.0        .0     470.6     146.8 100000.00
     1.37       .00      4.39       .00      .000      .055      .000      .000   1392.30   9674.40
  .006168      380.      505.      520.         3         0         0       .00    367.40  10041.80


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   1398.83   1400.36       .49      2.74       .06   1396.70
   4957.0     430.5    4517.6       8.9     113.8     785.7       4.6     482.1     150.4   1397.20
     1.40      3.78      5.75      1.94      .055      .043      .055      .000   1393.90   9785.00
  .004929      350.      505.      505.         2         0         0       .00    255.00  10040.00
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 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 4.178

3470 ENCROACHMENT STATIONS=     9804.0   10164.9  TYPE=      1  TARGET=     360.900
    4.178      5.81   1402.61       .00   1401.62   1402.95       .33      2.57       .02   1400.40
   4957.0        .0    4005.9     951.1        .0     819.2     278.5     494.1     154.1   1400.60
     1.43       .00      4.89      3.41      .000      .048      .055      .000   1396.80   9804.00
  .004993      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     505.0     157.6   1402.80
     1.45       .00      7.95      4.66      .000      .043      .055      .000   1400.00   9918.20
  .009083      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   1409.46   1410.78       .40      4.22       .05   1407.40
   4957.0        .0    2107.2    2849.8        .0     373.8     615.4     514.7     160.6   1407.10
     1.48       .00      5.64      4.63      .000      .071      .055      .000   1403.30   9960.50
  .007854      420.      500.      500.         4         0         0       .00    305.00  10265.50


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    3106.7    1850.3        .0     417.4     533.9     524.1     163.3   1410.30
     1.50       .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
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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 4.541

3470 ENCROACHMENT STATIONS= 9859.8 10089.5 TYPE= 1 TARGET= 229.700

4.541	6.30	1414.60	.00	1413.74	1415.20	.61	1.82	.00	1412.20
4555.0	1237.3	2871.7	445.9	320.1	394.7	112.3	531.6	165.3	1411.10
1.52	3.86	7.28	3.97	.055	.043	.055	.000	1408.30	9859.80
.005228	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	539.1	167.4	1414.40
1.53	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

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	548.5	169.8	1417.80
1.56	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

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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 =   .59


3470 ENCROACHMENT STATIONS=     9965.5   10148.0  TYPE=      1  TARGET=      182.500
    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     559.7     172.6   1420.30
     1.59       .00      5.58      6.66      .000      .071      .055      .000   1418.50   9965.50
  .010319      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
    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     567.7     174.4   1424.40
     1.61      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 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     576.8     176.5   1427.00
     1.63      5.04      5.80      4.92      .055      .068      .055      .000   1423.30   9892.00
  .006922      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
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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

  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     587.2     179.0   1429.60
   1.66      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
    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     595.8     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

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
    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     603.7     183.1   1436.10
     1.70      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
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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 = .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	611.2	184.6	1438.90
1.71	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	618.9	186.5	1443.90
1.74	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

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	628.0	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

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	636.9	190.4	1447.70
1.78	.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

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 5.824
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	645.8	192.9	1450.90
1.81	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	657.6	196.4	100000.00
1.84	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

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	666.1	198.3	100000.00
1.86	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	674.8	199.9	100000.00
1.89	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

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 6.244
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	685.2	202.2	1466.00
1.93	.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	697.4	205.3	100000.00
1.96	.00	5.32	.00	.000	.040	.000	.000	1465.60	9836.10
.003358	650.	635.	460.	3	0	0	.00	194.40	10030.50

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	707.6	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	715.6	211.1	100000.00
2.01	.00	6.96	.00	.000	.041	.000	.000	1472.50	9919.40
.010870	565.	555.	475.	3	0	0	.00	232.50	10151.90

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 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	725.3	214.3	100000.00
2.04	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
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	735.4	217.1	1480.60
2.06	.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

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	742.5	219.0	1484.70
2.08	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

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

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	748.3	220.3	1485.60
2.10	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
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	754.8	221.6	1490.00
2.12	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	763.1	223.8	1495.80
2.16	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

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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 7.337
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     773.1     226.3 100000.00
    2.18       .00      5.81       .00      .000      .054      .000      .000   1492.70   9986.10
 .004104      555.      555.      555.         4         0         0       .00    100.00  10086.10


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     781.1     227.7   1501.30
    2.21      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
   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     788.8     229.7   1504.70
    2.23       .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
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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
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	797.3	231.7	1508.00
2.26	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
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	806.9	233.3	100000.00
2.29	.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	815.8	235.0	1514.30
2.32	.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

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

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	826.6	238.8	1519.90
2.36	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

1490 NH CARD USED
*SECND 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

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	838.2	244.5	1521.60
2.39	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
*SECND 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	845.9	247.5	1525.20
2.42	.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	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 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	854.3	249.5	1527.90
2.45	.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

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

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	863.0	251.6	100000.00
2.48	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	871.5	253.3	100000.00
2.51	.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	879.2	254.8	1538.50
2.54	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

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 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	888.3	256.8	1540.70
2.57	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

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	895.8	258.6	1542.80
2.59	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	903.4	260.3	1545.30
2.63	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	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 9.053

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	911.2	262.5	1547.70
2.64	.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

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	918.8	265.3	1553.30
2.68	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

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	926.6	268.0	1556.70
2.70	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	932.5	269.6	1559.60
2.72	.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

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 9.481
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	939.0	271.5	1562.70
2.75	.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

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	948.0	274.2	100000.00
2.80	.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	957.8	277.5	1572.00
2.83	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

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	965.1	280.2	1573.20
2.87	.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	967.2	281.0	1574.50
2.88	.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	978.8	286.7	1577.60
2.93	.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	989.4	292.0	1581.00
2.96	.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

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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     997.0     295.2   1582.70
     2.99      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
   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    1006.3     298.9 100000.00
     3.03      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    1017.1     303.2   1588.60
     3.08      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
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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	1027.3	307.1	1592.00
3.11	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	1035.6	309.4	1594.70
3.15	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	1043.7	311.7	100000.00
3.18	.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

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   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
   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    1049.7     313.5   1599.50
     3.20      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    1056.3     315.6   1603.60
     3.22      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
   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    1068.1     322.8   1607.60
     3.28      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
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THIS RUN EXECUTED 18JUL93 12:09:35

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HEC-2 WATER SURFACE PROFILES

Version 4.6.2; May 1991
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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	1258.17	.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

	SECND	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	1361.53	1361.32	7.65	500.00	9851.50	9977.30	.00	.00	9828.17	10289.50	.79
*	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	1364.06	.00	6.70	430.00	9933.10	10006.60	.00	.00	9935.49	10598.89	.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	13.11	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	1368.47	1368.47	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	1379.58	.00	11.27	12.50	9976.30	10023.70	.00	.00	9976.30	10023.70	.80
*	3.264	3277.00	1379.58	.00	11.28	12.50	9976.30	10023.70	.00	.00	9976.30	10023.70	.80
	3.267	3277.00	1379.60	.00	11.25	11.90	9976.30	10023.70	.00	.00	9976.30	10023.70	.80
	3.267	3277.00	1379.60	.00	11.25	11.90	9976.30	10023.70	.00	.00	9976.30	10023.70	.80
	3.269	3277.00	1379.71	.00	11.04	11.90	9976.30	10023.70	.00	.00	9976.30	10023.70	.78
	3.269	3277.00	1379.70	.00	11.05	11.90	9976.30	10023.70	.00	.00	9976.30	10023.70	.78

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST	FRCH
	3.273	3277.00	1379.80	.00	10.89	23.80	9976.30	10023.70	.00	.00	9976.30	10023.70	.76
	3.273	3277.00	1379.81	.00	10.87	23.80	9976.30	10023.70	.00	.00	9976.30	10023.70	.76
	3.282	3277.00	1379.96	.00	10.62	47.70	9976.30	10023.70	.00	.00	9976.30	10023.70	.73
	3.282	3277.00	1379.95	.00	10.63	47.70	9976.30	10023.70	.00	.00	9976.30	10023.70	.73
*	3.284	3277.00	1380.93	.00	8.06	6.30	9973.20	10026.90	.00	.00	9973.20	10026.90	.52
*	3.284	3277.00	1380.92	.00	8.06	6.30	9973.20	10026.90	.00	.00	9973.20	10026.90	.52
	3.285	3277.00	1381.28	.00	6.90	6.20	9970.10	10030.00	.00	.00	9970.10	10030.00	.43
	3.285	3277.00	1381.28	.00	6.90	6.20	9970.10	10030.00	.00	.00	9970.10	10030.00	.43
	3.287	3277.00	1381.64	.00	5.46	12.50	9963.80	10036.20	.00	.00	9963.80	10036.20	.33
	3.287	3277.00	1381.64	.00	5.46	12.50	9963.80	10036.20	.00	.00	9963.80	10036.20	.33
*	3.291	3277.00	1381.99	.00	3.70	22.10	9953.80	10046.20	.00	.00	9934.86	10065.14	.22
*	3.291	3277.00	1381.99	.00	3.70	22.10	9953.80	10046.20	.00	.00	9934.86	10065.14	.22
*	3.299	3277.00	1382.14	.00	2.39	38.40	9910.00	10082.00	.00	.00	9910.46	10081.88	.15
*	3.299	3277.00	1382.14	.00	2.39	38.40	9910.00	10082.00	.00	.00	9910.46	10081.88	.15
	3.302	3277.00	1382.19	.00	1.78	20.00	9885.00	10116.00	.00	.00	9885.92	10115.66	.11
	3.302	3277.00	1382.19	.00	1.78	20.00	9885.00	10116.00	.00	.00	9885.92	10115.65	.11
	3.306	3277.00	1382.22	.00	1.34	19.50	9855.00	10152.00	.00	.00	9856.34	10150.94	.08
	3.306	3277.00	1382.22	.00	1.34	19.50	9855.00	10152.00	.00	.00	9856.34	10150.94	.08
*	3.328	4957.00	1382.24	.00	1.01	90.00	9975.00	10374.70	.00	.00	9394.11	10498.24	.06
*	3.328	4957.00	1382.24	.00	1.01	90.00	9975.00	10374.70	9396.97	10496.72	9396.97	10496.72	.06
	3.418	4957.00	1382.26	.00	.59	475.00	9729.00	10007.30	.00	.00	9306.88	10704.31	.04
	3.418	4957.00	1382.26	.00	.59	475.00	9729.00	10007.30	9307.99	10703.52	9307.99	10703.52	.04
*	3.507	4957.00	1382.30	.00	1.21	470.00	9582.90	10055.40	.00	.00	9255.99	10286.77	.10
*	3.507	4957.00	1382.29	.00	1.21	470.00	9582.90	10055.40	9257.05	10286.38	9257.05	10286.38	.10
*	3.601	4957.00	1382.60	.00	3.65	495.00	9641.50	10023.30	.00	.00	9296.78	10039.93	.46
*	3.601	4957.00	1382.60	.00	3.65	495.00	9641.50	10023.30	9299.15	10039.67	9299.15	10039.67	.46
*	3.696	4957.00	1385.56	.00	4.60	500.00	9850.80	10218.40	.00	.00	9495.09	10227.73	.53
	3.696	4957.00	1386.07	.00	4.81	500.00	9850.80	10218.40	9850.80	10218.40	9850.80	10218.40	.51
*	3.791	4957.00	1388.93	.00	4.86	500.00	9858.20	10320.30	.00	.00	9307.28	10328.66	.65
	3.791	4957.00	1389.75	.00	4.21	500.00	9858.20	10320.30	9858.20	10320.30	9858.20	10320.30	.46
*	3.888	4957.00	1393.21	.00	3.49	510.00	9639.30	10014.80	.00	.00	8954.11	10100.54	.41
	3.888	4957.00	1393.85	.00	4.58	510.00	9639.30	10014.80	9639.30	10014.80	9639.30	10014.80	.47
	3.984	4957.00	1396.29	.00	4.79	505.00	9674.40	10041.80	.00	.00	9006.44	10046.01	.58
	3.984	4957.00	1397.26	.00	4.39	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	1398.83	.00	4.43	505.00	9822.50	10038.30	.00	.00	9270.78	10299.54	.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	5.69	515.00	9804.00	10048.90	.00	.00	9511.39	10499.14	.65
	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	6.30	500.00	9918.20	10052.10	.00	.00	9909.16	10678.91	.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	1409.46	.00	5.97	500.00	9960.50	10027.80	.00	.00	9933.42	10824.49	.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	9795.31	10865.53	.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	9646.23	10348.17	.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	10237.33	.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	10300.62	.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	9787.57	10092.83	.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	8.40	560.00	9976.80	10042.30	9745.90	10214.00	9750.59	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	9823.61	10072.92	.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	9838.41	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

	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	1560.70	.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
*	10.890	3120.00	1608.61	.00	4.42	550.00	9983.40	10030.50	.00	.00	9780.02	10716.29	.36
*	10.890	3120.00	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	92.19	2782.18	402.63	3.00	7.65	2.92	1363.90	1361.53	2.39	347.86	1356.80	1.35
*	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	2280.58	996.42	.00	6.70	2.96	1365.60	1364.06	2.53	329.39	1355.90	1.45
*	3.190	.00	3277.00	.00	.00	7.94	.00	1365.60	1365.06	3.68	73.50	1355.90	1.00
*	3.247	323.61	2741.47	211.92	10.10	12.96	8.43	1371.60	1365.11	1.05	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	13.11	.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	1368.47	.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	2.24	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	11.27	.00	1380.50	1379.58	-.67	47.40	1373.45	1.00
*	3.264	.00	3277.00	.00	.00	11.28	.00	1380.50	1379.58	-.67	47.40	1373.45	1.00
	3.267	.00	3277.00	.00	.00	11.25	.00	1380.50	1379.60	.02	47.40	1373.45	1.00
	3.267	.00	3277.00	.00	.00	11.25	.00	1380.50	1379.60	.02	47.40	1373.45	1.00
	3.269	.00	3277.00	.00	.00	11.04	.00	1380.50	1379.71	.11	47.40	1373.45	1.00
	3.269	.00	3277.00	.00	.00	11.05	.00	1380.50	1379.70	.10	47.40	1373.45	1.00
	3.273	.00	3277.00	.00	.00	10.89	.00	1380.50	1379.80	.09	47.40	1373.45	1.00
	3.273	.00	3277.00	.00	.00	10.87	.00	1380.50	1379.81	.10	47.40	1373.45	1.00
	3.282	.00	3277.00	.00	.00	10.62	.00	1380.50	1379.96	.16	47.40	1373.45	1.00
	3.282	.00	3277.00	.00	.00	10.63	.00	1380.50	1379.95	.15	47.40	1373.45	1.00
*	3.284	.00	3277.00	.00	.00	8.06	.00	1380.80	1380.93	.97	53.70	1373.35	1.00
*	3.284	.00	3277.00	.00	.00	8.06	.00	1380.80	1380.92	.97	53.70	1373.35	1.00
	3.285	.00	3277.00	.00	.00	6.90	.00	1381.20	1381.28	.35	59.90	1373.35	1.00
	3.285	.00	3277.00	.00	.00	6.90	.00	1381.20	1381.28	.35	59.90	1373.35	1.00
	3.287	.00	3277.00	.00	.00	5.46	.00	1381.90	1381.64	.36	72.40	1373.35	1.00
	3.287	.00	3277.00	.00	.00	5.46	.00	1381.90	1381.64	.36	72.40	1373.35	1.00

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFWSX	TOPWID	ELMIN	ALPHA
*	3.291	154.18	2968.63	154.18	1.87	3.70	1.87	1382.20	1381.99	.35	130.29	1373.30	1.11
*	3.291	154.18	2968.65	154.18	1.87	3.70	1.87	1382.20	1381.99	.35	130.29	1373.30	1.11
*	3.299	.00	3277.00	.00	.00	2.39	.00	1382.20	1382.14	.15	171.43	1373.30	1.00
*	3.299	.00	3277.00	.00	.00	2.39	.00	1382.20	1382.14	.15	171.43	1373.30	1.00
	3.302	.00	3277.00	.00	.00	1.78	.00	1382.30	1382.19	.05	229.74	1373.30	1.00
	3.302	.00	3277.00	.00	.00	1.78	.00	1382.30	1382.19	.05	229.74	1373.30	1.00
	3.306	.00	3277.00	.00	.00	1.34	.00	1382.60	1382.22	.03	294.60	1373.30	1.00
	3.306	.00	3277.00	.00	.00	1.34	.00	1382.60	1382.22	.03	294.60	1373.30	1.00
*	3.328	869.96	3793.55	293.50	.42	1.01	.47	1386.50	1382.24	.02	1104.13	1371.10	1.41
*	3.328	869.97	3793.52	293.51	.42	1.01	.47	1389.90	1382.24	.02	1099.75	1371.10	1.41
	3.418	1704.75	1336.45	1915.80	.60	.59	.51	1384.00	1382.26	.02	1397.43	1373.30	1.02
	3.418	1704.95	1336.38	1915.67	.60	.59	.51	1384.00	1382.26	.02	1395.53	1373.30	1.02
*	3.507	971.14	2784.90	1200.96	1.06	1.21	1.17	1384.20	1382.30	.03	1030.77	1376.40	1.01
*	3.507	971.02	2784.69	1201.29	1.06	1.21	1.17	1384.20	1382.29	.03	1029.33	1376.40	1.01
*	3.601	2174.00	2711.51	71.49	3.81	3.65	3.04	1388.90	1382.60	.30	743.15	1379.80	1.00
*	3.601	2174.64	2710.71	71.65	3.82	3.65	3.05	1388.90	1382.60	.30	740.52	1379.80	1.00
*	3.696	1035.03	3890.54	31.43	2.23	4.60	2.44	1391.80	1385.56	2.97	732.64	1382.40	1.26
	3.696	.00	4957.00	.00	.00	4.81	.00	1391.80	1386.07	3.48	367.60	1382.40	1.00
*	3.791	1058.27	3878.74	19.98	2.93	4.86	2.79	1395.90	1388.93	3.37	993.08	1386.10	1.13
	3.791	.00	4957.00	.00	.00	4.21	.00	1400.40	1389.75	3.68	462.10	1386.10	1.00
*	3.888	1269.93	2951.67	735.40	2.07	3.49	3.96	1398.90	1393.21	4.28	1146.42	1389.10	1.18
	3.888	.00	4957.00	.00	.00	4.58	.00	1398.90	1393.85	4.10	375.50	1389.10	1.00
	3.984	1252.90	3694.05	10.05	2.27	4.79	2.28	1402.00	1396.29	3.08	1039.57	1392.30	1.32
	3.984	.00	4957.00	.00	.00	4.39	.00	1409.10	1397.26	3.41	367.40	1392.30	1.00
*	4.080	1376.52	2498.83	1081.65	2.00	4.43	2.51	1401.10	1398.83	2.54	1028.76	1393.90	1.43
	4.080	430.55	4517.57	8.88	3.78	5.75	1.94	1401.10	1399.87	2.61	255.00	1393.90	1.04
*	4.178	356.70	3280.95	1319.34	2.09	5.69	2.93	1406.00	1401.62	2.79	984.21	1396.80	1.40
	4.178	.00	4005.88	951.12	.00	4.89	3.41	1409.90	1402.61	2.74	360.90	1396.80	1.06
	4.273	4.66	3045.36	1906.98	1.31	6.30	2.64	1409.70	1405.47	3.85	756.89	1400.00	1.61
	4.273	.00	4042.71	914.28	.00	7.95	4.66	1409.70	1405.66	3.05	212.90	1400.00	1.12
	4.368	146.28	1859.96	2950.76	3.75	5.97	3.44	1412.00	1409.46	3.99	884.73	1403.30	1.24
	4.368	.00	2107.17	2849.83	.00	5.64	4.63	1412.00	1410.38	4.73	305.00	1403.30	1.03
*	4.464	556.83	2365.24	2034.93	2.58	6.51	2.14	1415.70	1412.05	2.60	1067.64	1406.10	2.18
	4.464	.00	3106.68	1850.32	.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	1343.25	2410.77	800.99	2.99	7.36	2.50	1416.00	1413.74	1.69	701.95	1408.30	1.88
	4.541	1237.35	2871.71	445.94	3.86	7.28	3.97	1416.00	1414.60	1.82	229.70	1408.30	1.29
	4.635	939.70	2799.63	815.67	2.61	7.90	3.96	1421.60	1416.91	3.17	522.39	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	586.09	2152.73	1816.18	2.21	5.31	3.89	1424.30	1420.42	3.51	517.50	1414.40	1.25
*	4.731	516.39	2293.49	1745.12	2.61	4.76	4.00	1425.00	1421.37	3.94	283.90	1414.40	1.10
	4.827	.00	2115.31	2439.68	.00	4.98	5.37	1424.40	1423.96	3.54	271.61	1418.50	1.00
*	4.827	.00	2458.09	2096.91	.00	5.58	6.66	1424.40	1424.13	2.76	182.50	1418.50	1.02
	4.918	747.81	1931.90	1875.30	3.31	4.94	3.83	1427.20	1426.81	2.84	413.03	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	1802.60	1445.48	1306.92	3.69	5.04	3.45	1431.90	1429.42	2.62	562.64	1423.30	1.08
	5.011	1608.50	1986.61	959.90	5.04	5.80	4.92	1431.90	1430.36	2.89	208.10	1423.30	1.02
	5.106	2136.65	2027.56	390.79	3.26	6.07	2.60	1436.00	1431.88	2.46	465.86	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	1299.51	2848.51	406.98	3.83	10.10	4.12	1443.10	1434.47	2.59	305.26	1428.40	1.73
*	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	1352.98	2760.25	441.78	3.43	8.40	2.55	1444.50	1438.37	3.90	417.37	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	731.49	3717.82	105.69	3.37	9.33	2.81	1450.40	1441.35	2.98	249.31	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	2608.25	1285.82	4.26	7.39	2.88	1449.00	1445.10	3.75	384.74	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	1003.86	3043.36	507.78	3.62	7.99	3.50	1455.70	1447.59	2.49	243.58	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	2169.32	1962.49	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	2.48	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	1362.33	.79	2.68	.12	81.66	262.86	4.73	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	1364.59	.53	2.24	.03	37.28	268.61	8.16	.00	37.81	45.35
*	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	1.75	.57	96.71	271.88	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	DLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
*	3.251	20.00	50.00	1368.94	2.67	.20	.13	99.63	272.00	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	46.02	272.10	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	2.68	.06	.79	184.80	272.15	7.07	.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	183.39	272.20	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	183.69	272.24	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	183.65	272.28	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	272.29	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	1.81	272.30	10.88	.00	12.00	.00
*	3.259	.10	-16300.05	1380.87	.63	.00	.10	1.81	218.36	10.88	.00	12.00	.00
	3.262	14.70	.00	1380.88	.63	.00	.00	1.80	272.47	10.88	.00	12.00	.00
	3.262	14.70	.00	1380.88	.63	.00	.00	1.80	218.53	10.88	.00	12.00	.00
*	3.264	12.50	326.40	1381.56	1.97	.00	.67	10.04	272.59	6.13	.00	12.00	.00
*	3.264	12.50	326.40	1381.55	1.97	.00	.67	10.04	218.65	6.13	.00	12.00	.00
	3.267	11.90	.00	1381.57	1.97	.01	.00	9.98	272.67	6.15	.00	12.00	.00
	3.267	11.90	.00	1381.57	1.97	.01	.00	9.98	218.73	6.15	.00	12.00	.00
	3.269	11.90	.00	1381.60	1.89	.01	.02	9.42	272.75	6.26	.00	12.00	.00
	3.269	11.90	.00	1381.60	1.90	.01	.02	9.45	218.81	6.25	.00	12.00	.00
	3.273	23.80	.00	1381.64	1.84	.02	.02	9.02	272.91	6.35	.00	12.00	.00
	3.273	23.80	.00	1381.64	1.84	.02	.02	8.98	218.97	6.36	.00	12.00	.00
	3.282	47.70	.00	1381.71	1.75	.04	.03	8.36	273.24	6.51	.00	12.00	.00
	3.282	47.70	.00	1381.71	1.75	.04	.02	8.38	219.30	6.50	.00	12.00	.00
*	3.284	6.30	-15.87	1381.93	1.01	.00	.22	3.97	273.29	7.58	.00	12.00	.00
*	3.284	6.30	-15.87	1381.93	1.01	.00	.22	3.97	219.35	7.57	.00	12.00	.00
	3.285	6.20	.00	1382.02	.74	.00	.08	2.68	273.36	7.93	.00	12.00	.00
	3.285	6.20	.00	1382.02	.74	.00	.08	2.68	219.42	7.93	.00	12.00	.00
	3.287	12.50	.00	1382.10	.46	.00	.08	1.52	273.51	8.29	.00	12.00	.00
	3.287	12.50	.00	1382.10	.46	.00	.08	1.52	219.57	8.29	.00	12.00	.00

	SECNO	XLCH	K*CHSL	EG	HV	HL	OLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
*	3.291	22.10	-2.26	1382.19	.20	.00	.08	3.12	273.91	8.69	35.00	30.00	35.00
*	3.291	22.10	-2.26	1382.19	.20	.00	.08	3.12	219.97	8.69	35.00	30.00	35.00
*	3.299	38.40	.00	1382.23	.09	.01	.03	1.50	274.94	8.84	.00	30.00	.00
*	3.299	38.40	.00	1382.23	.09	.01	.03	1.50	221.00	8.84	.00	30.00	.00
	3.302	20.00	.00	1382.24	.05	.00	.01	.82	275.68	8.89	.00	30.00	.00
	3.302	20.00	.00	1382.24	.05	.00	.01	.82	221.74	8.89	.00	30.00	.00
	3.306	19.50	.00	1382.25	.03	.00	.01	.45	276.64	8.92	.00	30.00	.00
	3.306	19.50	.00	1382.25	.03	.00	.01	.45	222.70	8.92	.00	30.00	.00
*	3.328	90.00	-24.45	1382.25	.01	.00	.00	.24	285.83	11.14	55.00	32.00	55.00
*	3.328	90.00	-24.45	1382.25	.01	.00	.00	.24	231.89	11.14	55.00	32.00	55.00
	3.418	475.00	4.63	1382.27	.00	.01	.00	.39	368.03	8.96	58.75	63.12	60.35
	3.418	475.00	4.63	1382.27	.00	.01	.00	.39	314.08	8.96	58.75	63.12	60.35
*	3.507	470.00	6.60	1382.32	.02	.04	.00	3.27	442.24	5.90	55.00	63.94	62.94
*	3.507	470.00	6.60	1382.32	.02	.04	.00	3.27	388.29	5.89	55.00	63.94	62.94
*	3.601	495.00	6.87	1382.81	.21	.44	.06	93.50	472.42	2.80	55.00	61.26	63.64
*	3.601	495.00	6.87	1382.81	.21	.44	.06	93.49	418.47	2.80	55.00	61.26	63.62
*	3.696	500.00	5.20	1385.84	.27	3.01	.02	43.62	487.26	3.16	56.69	37.21	55.00
	3.696	500.00	5.20	1386.43	.36	3.58	.04	58.19	431.82	3.67	.00	46.39	.00
*	3.791	500.00	7.40	1389.25	.32	3.40	.01	128.99	500.95	2.83	55.21	49.92	55.00
	3.791	500.00	7.40	1390.03	.27	3.59	.01	90.64	444.50	3.65	.00	62.40	.00
*	3.888	510.00	5.88	1393.38	.17	4.12	.02	57.88	516.65	4.11	55.00	55.48	50.00
	3.888	510.00	5.88	1394.18	.33	4.14	.02	72.96	457.74	4.75	.00	55.67	.00
	3.984	505.00	6.34	1396.58	.29	3.17	.04	77.83	532.24	3.99	55.00	44.86	55.00
	3.984	505.00	6.34	1397.56	.30	3.38	.00	61.68	470.55	4.96	.00	55.43	.00
*	4.080	505.00	3.17	1399.03	.19	2.44	.01	37.84	547.49	4.93	55.00	39.01	55.00
	4.080	505.00	3.17	1400.36	.49	2.74	.06	49.29	482.13	5.97	55.00	42.86	55.00
*	4.178	515.00	5.63	1401.99	.37	2.91	.05	93.71	564.15	4.82	55.00	44.66	55.00
	4.178	515.00	5.63	1402.95	.33	2.57	.02	49.93	494.11	5.81	.00	47.62	55.00
	4.273	500.00	6.40	1405.89	.42	3.88	.01	59.39	579.02	5.47	55.00	42.64	55.00
	4.273	500.00	6.40	1406.52	.86	3.42	.16	90.83	505.00	5.66	.00	42.98	55.00
	4.368	500.00	6.60	1409.78	.32	3.88	.01	106.35	592.86	6.16	55.00	70.65	55.00
	4.368	500.00	6.60	1410.78	.40	4.22	.05	78.54	514.72	7.08	.00	70.65	55.00
*	4.464	505.00	5.54	1412.41	.36	2.62	.01	38.26	605.95	5.95	55.00	40.17	55.00
	4.464	505.00	5.54	1413.39	.61	2.54	.06	44.46	524.12	6.68	.00	40.39	55.00

	SECNO	XLCH	K*CHSL	EG	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	64.52	616.53	5.44	55.00	41.94	55.00
	4.541	406.00	5.42	1415.20	.61	1.82	.00	52.28	531.56	6.30	55.00	43.24	55.00
	4.635	495.00	5.86	1417.57	.66	3.28	.05	70.22	627.70	5.71	55.00	38.49	60.73
	4.635	495.00	5.86	1418.79	1.37	3.36	.23	95.24	539.10	6.22	55.00	38.75	90.00
	4.731	505.00	6.34	1420.73	.31	3.13	.04	55.92	639.22	6.02	55.00	60.40	55.00
*	4.731	505.00	6.34	1421.65	.28	2.75	.11	35.57	548.51	6.97	55.00	60.40	55.00
	4.827	505.00	8.12	1424.38	.42	3.62	.03	86.22	651.32	5.46	.00	70.83	55.00
*	4.827	505.00	8.12	1424.70	.58	2.97	.09	103.19	559.71	5.63	.00	70.88	55.00
	4.918	480.00	4.37	1427.09	.28	2.69	.01	47.66	661.12	6.21	55.00	58.24	55.00
	4.918	480.00	4.37	1427.92	.45	3.21	.01	56.04	567.69	6.87	55.00	58.24	55.00
	5.011	490.00	5.51	1429.69	.26	2.59	.00	66.19	673.13	6.12	55.00	67.76	55.00
	5.011	490.00	5.51	1430.81	.45	2.89	.00	69.22	576.77	7.06	55.00	67.76	55.00
	5.106	500.00	5.00	1432.22	.34	2.51	.02	39.86	686.18	6.08	55.00	44.67	55.00
*	5.106	500.00	5.00	1433.13	.40	2.32	.00	33.16	587.24	6.93	55.00	45.78	55.00
*	5.201	500.00	5.20	1435.55	1.08	2.85	.22	87.00	696.94	6.07	55.00	38.19	55.00
*	5.201	500.00	5.20	1436.74	1.72	2.70	.39	101.70	595.83	6.62	55.00	38.93	55.00
	5.307	560.00	5.71	1439.10	.73	3.52	.04	48.98	707.05	6.77	55.00	35.96	55.00
*	5.307	560.00	5.71	1440.11	.78	3.28	.09	39.21	603.67	7.73	55.00	37.50	55.00
	5.414	565.00	7.08	1442.48	1.13	3.26	.12	71.52	716.82	5.75	55.00	37.86	55.00
*	5.414	565.00	7.08	1443.44	1.68	3.06	.27	81.77	611.20	6.16	55.00	38.29	55.00
	5.518	550.00	5.45	1445.67	.56	3.13	.06	46.84	726.86	6.50	55.00	39.51	55.00
	5.518	550.00	5.45	1446.80	.76	3.26	.09	45.06	618.91	7.44	55.00	40.73	55.00
	5.626	570.00	4.39	1448.32	.73	2.61	.05	46.26	738.07	6.49	55.00	37.65	55.00
	5.626	570.00	4.39	1449.45	1.01	2.58	.08	46.19	627.95	7.34	55.00	38.50	55.00
	5.732	560.00	6.43	1451.32	.56	2.99	.02	63.69	748.04	6.06	55.00	48.81	57.62
	5.732	560.00	6.43	1452.08	.50	2.58	.05	46.29	636.88	6.88	.00	48.81	58.46
	5.824	485.00	5.15	1453.91	.25	2.55	.03	45.58	758.12	6.46	55.00	63.31	55.00
	5.824	485.00	5.15	1454.64	.41	2.54	.01	61.15	645.82	7.03	55.00	63.31	55.00
	5.934	580.00	4.83	1456.89	.22	2.98	.00	54.29	773.90	6.68	55.00	67.23	55.00
	5.934	580.00	4.83	1458.08	.36	3.44	.01	54.80	657.61	7.73	55.00	68.93	.00
*	6.033	525.00	5.90	1460.62	.48	3.65	.08	111.94	784.79	7.04	55.00	68.95	.00
	6.033	525.00	5.90	1461.69	.65	3.52	.09	98.25	666.06	7.94	55.00	69.97	.00
	6.144	590.00	6.95	1465.25	.37	4.62	.01	64.23	795.42	7.68	55.00	67.72	55.00
	6.144	590.00	6.95	1466.37	.53	4.67	.01	70.62	674.80	8.63	55.00	69.62	.00

	SECNO	XLCH	K*CHSL	EG	HV	HL	QLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	6.244	530.00	7.55	1468.03	.24	2.77	.01	47.02	806.80	6.59	55.00	64.90	55.00
	6.244	530.00	7.55	1469.08	.26	2.69	.03	40.21	685.21	7.62	.00	64.90	55.00
	6.364	635.00	6.93	1470.85	.51	2.73	.08	46.29	819.18	4.74	55.00	39.52	55.00
	6.364	635.00	6.93	1471.33	.44	2.20	.05	33.58	697.45	5.29	.00	40.17	.00
	6.480	610.00	5.41	1473.36	.56	2.50	.01	37.09	830.05	3.91	55.00	29.42	55.00
	6.480	610.00	5.41	1473.53	.61	2.15	.05	37.04	707.57	4.02	55.00	29.68	55.00
*	6.585	555.00	6.49	1476.72	.98	3.04	.13	90.42	838.28	3.24	55.00	29.83	55.00
*	6.585	555.00	6.49	1476.85	.75	3.28	.04	108.70	715.61	3.60	.00	41.42	.00
*	6.697	590.00	5.25	1480.05	.21	3.25	.08	36.95	850.00	4.24	55.00	45.93	55.00
*	6.697	590.00	5.25	1480.98	.41	4.10	.03	48.13	725.29	4.98	55.00	46.30	.00
	6.801	550.00	2.91	1482.88	.52	2.74	.10	69.95	863.41	5.16	55.00	47.75	55.00
	6.801	550.00	2.91	1483.88	.60	2.84	.06	54.80	735.39	6.08	.00	47.75	55.00
	6.908	565.00	7.26	1486.63	.72	3.69	.06	63.34	874.08	4.61	55.00	36.24	55.00
	6.908	565.00	7.26	1487.79	1.40	3.66	.24	83.46	742.54	5.08	55.00	37.05	55.00
	7.012	550.00	4.55	1489.68	.88	3.00	.05	48.84	882.78	5.00	55.00	32.89	55.00
*	7.012	550.00	4.55	1490.60	.87	2.76	.05	33.50	748.27	5.93	55.00	33.57	55.00
*	7.130	625.00	4.64	1494.36	.84	4.67	.00	128.99	891.55	6.82	55.00	63.88	55.00
*	7.130	625.00	4.64	1494.89	1.39	4.13	.16	186.83	754.77	6.80	55.00	63.88	55.00
*	7.232	540.00	5.74	1498.06	.18	3.64	.07	41.37	903.17	8.09	55.00	69.61	55.00
*	7.232	540.00	5.74	1499.16	.29	4.16	.11	41.73	763.05	9.07	55.00	69.61	55.00
	7.337	555.00	5.23	1500.54	.46	2.39	.08	44.96	916.84	7.38	55.00	53.22	55.00
	7.337	555.00	5.23	1501.52	.52	2.30	.07	41.04	773.13	8.30	.00	54.32	.00
	7.448	585.00	6.84	1503.31	.95	2.63	.15	44.77	925.98	5.67	55.00	32.84	55.00
	7.448	585.00	6.84	1503.70	.76	2.11	.07	31.84	781.09	6.24	55.00	33.80	55.00
	7.562	600.00	4.33	1506.92	.39	3.55	.06	80.62	935.19	7.23	55.00	69.00	55.00
*	7.562	600.00	4.33	1507.16	.70	3.45	.01	131.09	788.83	7.16	.00	69.00	55.00
*	7.666	550.00	5.64	1509.86	.24	2.92	.01	36.83	947.00	7.22	55.00	62.56	55.00
*	7.666	550.00	5.64	1511.01	.40	3.82	.03	42.11	797.35	8.20	55.00	62.56	55.00
	7.770	550.00	4.55	1512.30	.45	2.37	.06	51.84	958.05	6.94	55.00	60.78	55.00
	7.770	550.00	4.55	1513.14	.38	2.13	.00	36.02	806.86	7.86	.00	61.39	.00
	7.883	595.00	6.39	1515.77	.38	3.46	.01	67.65	968.34	6.69	55.00	68.12	55.00
*	7.883	595.00	6.39	1516.79	.80	3.52	.13	116.43	815.77	7.29	.00	68.12	55.00
	7.988	555.00	8.29	1518.79	.24	3.01	.01	44.83	979.59	5.26	55.00	58.68	42.40
*	7.988	555.00	8.29	1519.69	.18	2.83	.06	28.64	826.62	6.21	55.00	59.53	48.97

	SECNO	XLCH	K*CHSL	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	990.94	5.42	55.00	70.18	37.21
*	8.092	550.00	6.18	1523.45	.78	3.31	.18	161.78	838.20	5.97	55.00	70.18	39.26
	8.196	550.00	4.73	1526.58	.27	3.97	.02	56.73	1000.61	7.01	.00	64.84	55.00
*	8.196	550.00	4.73	1527.61	.31	4.11	.05	42.87	845.92	8.00	.00	64.84	55.00
	8.301	555.00	4.86	1529.67	.30	3.09	.01	62.90	1010.52	7.38	55.00	71.05	55.00
	8.301	555.00	4.86	1530.57	.46	2.91	.04	74.24	854.27	8.11	.00	71.05	55.00
	8.407	560.00	7.50	1533.03	.22	3.35	.01	58.63	1021.86	6.61	55.00	71.08	55.00
	8.407	560.00	7.50	1534.17	.35	3.59	.01	55.98	862.98	7.62	55.00	71.79	.00
	8.524	620.00	5.81	1536.64	.43	3.55	.06	59.64	1033.84	6.41	55.00	56.06	55.00
	8.524	620.00	5.81	1537.86	.66	3.60	.10	62.74	871.46	7.39	55.00	57.42	.00
	8.634	580.00	5.00	1540.06	.30	3.41	.01	60.07	1044.51	7.06	55.00	63.45	55.00
	8.634	580.00	5.00	1541.22	.42	3.34	.02	53.31	879.19	8.10	55.00	63.45	55.00
	8.736	540.00	5.19	1542.74	.19	2.67	.01	41.63	1056.18	7.05	55.00	69.99	55.00
	8.736	540.00	5.19	1543.75	.28	2.51	.01	41.02	888.30	7.97	55.00	69.99	55.00
	8.840	550.00	5.82	1545.37	.91	2.41	.22	46.12	1066.68	5.75	55.00	30.95	55.00
	8.840	550.00	5.82	1546.48	1.34	2.41	.32	47.02	895.77	6.44	55.00	31.73	55.00
	8.948	570.00	7.02	1547.61	.28	2.18	.06	32.22	1076.41	4.63	55.00	44.33	55.00
*	8.948	570.00	7.02	1548.37	.28	1.79	.11	22.42	903.37	5.39	55.00	44.33	55.00
*	9.053	555.00	6.67	1551.13	.77	2.59	.15	72.31	1086.27	3.96	55.00	32.79	55.00
*	9.053	555.00	6.67	1551.90	1.32	2.27	.31	95.42	911.22	4.18	.00	32.71	55.00
	9.158	555.00	5.23	1555.04	.31	3.86	.05	69.07	1095.92	5.42	50.54	57.68	56.05
	9.158	555.00	5.23	1556.11	.38	4.11	.09	60.73	918.84	6.43	59.18	57.68	56.80
	9.262	550.00	6.18	1557.98	.49	2.88	.05	39.93	1105.69	4.78	55.00	33.89	42.47
	9.262	550.00	6.18	1558.92	.73	2.71	.11	39.67	926.58	5.49	55.00	35.18	55.00
	9.375	595.00	5.55	1560.67	.61	2.66	.04	53.77	1113.68	4.05	55.00	31.83	37.81
	9.375	595.00	5.55	1561.42	.72	2.49	.00	45.16	932.46	4.70	.00	33.33	31.70
	9.481	560.00	3.57	1563.99	.20	3.28	.04	63.39	1123.04	5.79	60.21	64.00	55.00
	9.481	560.00	3.57	1564.87	.41	3.42	.03	86.62	939.01	6.46	.00	64.00	55.00
	9.585	550.00	7.27	1567.86	.16	3.87	.00	80.26	1134.43	5.71	55.00	71.50	55.00
	9.585	550.00	7.27	1568.75	.19	3.86	.02	58.04	948.04	6.57	.00	71.67	.00
	9.691	560.00	8.39	1571.95	.15	4.08	.00	66.65	1146.90	5.10	55.00	68.59	55.00
	9.691	560.00	8.39	1572.92	.33	4.13	.04	93.85	957.80	5.90	55.00	68.68	55.00
*	9.765	390.00	5.90	1573.51	.08	1.56	.01	30.14	1156.57	4.43	55.00	60.33	55.00
*	9.765	390.00	5.90	1574.59	.12	1.64	.02	25.72	965.13	5.47	.00	61.06	55.00

	SECNO	XLCH	K*CHSL	EG	HV	HL	DLOSS	10*KS	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	9.783	94.80	28.48	1573.88	.15	.35	.02	46.82	1159.11	2.03	55.00	28.41	55.00
*	9.783	94.80	28.48	1574.98	.21	.36	.03	63.47	967.16	3.07	.00	55.19	55.09
	9.888	555.00	2.70	1576.86	.14	2.97	.00	57.42	1172.74	3.52	55.00	57.09	55.00
	9.888	555.00	2.70	1577.91	.15	2.93	.01	41.84	978.80	4.56	55.00	60.61	55.00
*	9.997	575.00	4.87	1581.47	.27	4.58	.04	117.53	1184.43	5.20	55.00	82.12	55.00
*	9.997	575.00	4.87	1582.30	.34	4.33	.06	173.75	989.43	5.96	.00	82.47	55.00
*	10.103	560.00	5.89	1584.19	.27	2.71	.00	34.81	1193.47	4.62	55.00	32.40	55.00
*	10.103	560.00	5.89	1585.33	.37	3.02	.01	31.31	997.00	5.66	55.00	36.36	55.00
*	10.207	550.00	4.91	1586.86	.15	2.67	.01	71.95	1205.36	4.71	55.00	75.65	46.81
*	10.207	550.00	4.91	1587.90	.24	2.55	.01	78.24	1006.29	5.66	55.00	75.93	.00
	10.311	550.00	5.45	1589.63	.10	2.76	.01	37.02	1219.66	4.53	55.00	61.32	55.00
*	10.311	550.00	5.45	1590.71	.16	2.81	.01	35.88	1017.09	5.55	55.00	61.32	55.00
*	10.415	550.00	5.45	1593.18	.26	3.50	.05	118.58	1233.79	4.92	55.00	73.40	55.00
*	10.415	550.00	5.45	1594.28	.46	3.48	.09	119.47	1027.30	5.82	55.00	73.40	55.00
*	10.521	560.00	6.96	1596.47	.14	3.28	.01	36.62	1245.58	4.43	55.00	58.97	55.00
*	10.521	560.00	6.96	1597.53	.24	3.23	.02	34.63	1035.57	5.39	55.00	58.97	55.00
*	10.606	450.00	3.11	1599.04	.17	2.56	.01	105.37	1255.73	5.57	55.00	78.47	55.00
*	10.606	450.00	3.11	1599.85	.21	2.32	.00	85.25	1043.65	6.35	.00	78.60	.00
*	10.681	395.00	6.84	1601.05	.26	1.99	.03	30.91	1263.99	4.80	55.00	37.70	55.00
*	10.681	395.00	6.84	1602.10	.53	2.16	.10	38.34	1049.67	5.57	55.00	39.47	55.00
*	10.787	560.00	5.36	1604.58	.59	3.43	.10	183.86	1273.81	4.99	55.00	63.60	55.00
*	10.787	560.00	5.36	1605.60	.62	3.47	.03	118.07	1056.25	5.98	55.00	63.60	55.00
*	10.890	550.00	7.27	1608.75	.14	4.12	.05	40.77	1285.56	5.61	55.00	58.50	55.00
*	10.890	550.00	7.27	1608.82	.12	3.17	.05	34.11	1068.09	5.70	55.00	58.50	55.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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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
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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  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO=     3.247  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL

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
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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=     3.284  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.284  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.291  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.291  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=     3.299  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=     3.299  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
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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
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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
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FLOODWAY DATA, DAGGS WASH 100-YEAR PRO
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION 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	1361.3	1361.5	-.2
3.190	73.	413.	7.9	1365.1	1364.1	1.0
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.	6.4	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.	291.	11.3	1379.6	1379.6	.0
3.267	47.	291.	11.3	1379.6	1379.6	.0
3.269	47.	296.	11.1	1379.7	1379.7	.0
3.273	47.	301.	10.9	1379.8	1379.8	.0
3.282	47.	308.	10.6	1380.0	1380.0	.0
3.284	54.	406.	8.1	1380.9	1380.9	.0
3.285	60.	475.	6.9	1381.3	1381.3	.0
3.287	72.	600.	5.5	1381.6	1381.6	.0
3.291	130.	968.	3.4	1382.0	1382.0	.0
3.299	171.	1372.	2.4	1382.1	1382.1	.0
3.302	230.	1844.	1.8	1382.2	1382.2	.0
3.306	295.	2438.	1.3	1382.2	1382.2	.0
3.328	1100.	6455.	.8	1382.2	1382.2	.0
3.418	1396.	8869.	.6	1382.3	1382.3	.0
3.507	1029.	4245.	1.2	1382.3	1382.3	.0
3.601	741.	1335.	3.7	1382.6	1382.6	.0
3.696	368.	1031.	4.8	1386.1	1385.6	.5
3.791	462.	1178.	4.2	1389.7	1388.9	.8
3.888	375.	1083.	4.6	1393.8	1393.2	.6
3.984	367.	1128.	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	1432.8	1431.9	.9
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	WATER SURFACE ELEVATION 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	WATER SURFACE ELEVATION 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