UPPER SALT RIVER FLOODPALIN
DELINEATION STUDY - COUNTRY CLUB
DRIVE TO GRANITE REEF DAM

FLOOD CONTROL DISTRICT OF
MARICOPA COUNTY

BY: BURGESS & NIPLE, INC.

User: MISCHJ -at PHX

<MFD2.3>U307.0>FIS>SALT-O

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*****************************************************************************************************************************
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W   W  WWW   WWW   WWW  W   W   WWW
WW WW   W   W   W W   W W   W    W
W W W   W   W     W     W   W    W
W W W   W    WWW  W     WWWWW    W
W   W   W       W W     W   W W  W
W   W   W   W   W W   W W   W W  W
W   W  WWW   WWW   WWW  W   W  WW


 WWW   WWW  W     WWWWW        WWW
W   W W   W W       W         W   W
W     W   W W       W         W   W
 WWW  WWWWW W       W   WWWWW W   W
     W W   W W       W         W   W
W   W W   W W       W         W   W
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[Spooler rev 20.2.1 (c) Prime Computer, Inc., 1986]

Label: PRT053 -form

Pathname: <MFD2.3>U307.0>FIS>SALT-O
File last modified: 88-10-03.13:52:16.Mon

Spooled: 88-10-03.14:41:16.Mon
Started: 88-10-03.15:25:20.Mon on: AMLC by: PHX

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

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****************************************************
*  WATER SURFACE PROFILES                          *
*  VERSION OF NOVEMBER 1976                        *
*  UPDATED MAY 1984                                *
*  IBM-PC-XT VERSION                               *
*  RUN DATE  10/03/88  TIME  08:02:01              *
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****************************************
*  U.S. ARMY CORPS OF ENGINEERS        *
*  THE HYDROLOGIC ENGINEERING CENTER   *
*  609 SECOND STREET, SUITE D          *
*  DAVIS, CALIFORNIA 95616             *
*  (916) 440-2105 (FTS) 448-2105       *
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X     X  XXXXXXX   XXXXX              XXXXX
X     X  X        X     X            X     X
X     X  X        X                        X
XXXXXXX  XXXX     X          XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX   XXXXX             XXXXXXX
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THIS RUN EXECUTED 10/03/88 08:02:04

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  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
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C
T1 SALT RIVER FLOOD INSURANCE STUDY, COUNTRY CLUB TO GRANITE REEF
T2 FOR FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  1986
T3      SALT RIVER NATURAL 100 YEAR     BY J.MISCHLER, BURGESS AND NIPLE

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      0.        2.        0.        0.   .000000      .00       .0        0.  1217.310     .000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     1.000     .000    -1.000     .000      .000      .000      .000      .000      .000      .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    38.000    42.000     1.000   53.000    54.000     4.000     8.000    43.000    10.000    51.000

    46.000    40.000    41.000     .000   110.000      .000   200.000      .000      .000      .000

NC      .025      .025      .025      .300      .500      .000      .000      .000      .000      .000
QT     2.000 225000.000 225000.000     .000      .000      .000      .000      .000      .000      .000
        SALT RIVER HEC2 RUN WITHOUT GILBERT ROAD BRIDGE
X1    28.358     6.000   5000.000  6340.000      .000      .000      .000      .000      .000      .000
X2      .000      .000      .000      .000      .000      .000      .000      .000      .000    15.000
GR  1218.000  5000.000  1200.000  5050.000  1200.000  5450.000  1199.000  5800.000  1200.000  6270.000
GR  1220.000  6340.000      .000      .000      .000      .000      .000      .000      .000      .000

NC      .025      .025      .025      .100      .300      .000      .000      .000      .000      .000
NH     2.000      .035   9300.000      .025  11999.200      .000      .000      .000      .000      .000
ET      .000      .000     4.100  9300.000  10900.000      .000      .000      .000      .000      .000
X1    28.646    17.000   9945.600 10770.200   1650.000  1450.000  1520.000      .000      .000      .000
X2      .000      .000      .000      .000      .000      .000      .000      .000      .000    15.000
GR  1220.500  9080.600  1220.000  9300.000  1212.700  9369.100  1208.900  9502.000  1207.500  9637.000
GR  1211.800  9692.500  1213.700  9945.600  1213.000 10000.000  1208.800 10083.000  1197.400 10329.400
GR  1197.200 10519.900  1202.700 10659.800  1213.000 10770.200  1211.100 11085.400  1221.600 11153.500
GR  1221.200 11569.900  1222.500 11999.200      .000      .000      .000      .000      .000      .000

NC      .025      .025      .025      .000      .000      .000      .000      .000      .000      .000
ET      .000      .000     4.100  9200.000  10900.000      .000      .000      .000      .000      .000
X1    28.831    17.000  10185.700 10495.800    950.000  1010.000  1000.000      .000      .000      .000
X2      .000      .000      .000      .000      .000      .000      .000      .000      .000    15.000
GR  1223.900  8570.200  1221.000  8772.900  1221.000  8851.300  1221.000  9200.000  1199.000  9280.000
GR  1199.000  9450.000  1210.500  9515.900  1205.000  9859.900  1205.400 10000.000  1204.700 10185.700
GR  1199.400 10253.000  1199.400 10404.000  1207.100 10495.800  1207.600 10651.400  1217.400 10992.500
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GR	1212.900	11123.000	1224.200	11306.900	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	9100.000	10750.000	.000	.000	.000	.000	.000
X1	29.017	16.000	9861.500	10619.800	1000.000	1020.000	1020.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1222.000	8929.300	1222.000	8967.900	1222.000	9100.000	1206.300	9178.900	1211.500	9444.800
GR	1209.400	9861.500	1199.800	10000.000	1199.400	10060.900	1204.100	10185.600	1204.700	10522.000
GR	1199.100	10576.700	1215.300	10619.800	1213.300	10637.100	1211.500	10693.300	1210.000	10750.000
GR	1230.200	11800.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	9400.000	10900.000	.000	.000	.000	.000	.000
X1	29.221	27.000	9684.700	10402.600	950.000	970.000	1020.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1227.500	6376.000	1227.700	6959.700	1225.000	7824.900	1225.000	8100.900	1225.200	8132.200
GR	1225.000	8235.300	1225.000	8413.800	1225.000	8430.500	1225.000	8470.700	1225.000	8660.400
GR	1234.900	8945.900	1231.400	9076.700	1225.000	9117.700	1221.900	9185.800	1206.700	9233.800
GR	1207.700	9409.000	1208.000	9684.700	1204.300	9906.700	1202.200	10000.000	1201.500	10003.000
GR	1209.200	10231.100	1213.500	10402.600	1214.200	10756.200	1212.500	10900.000	1230.000	10950.000
GR	1230.800	11296.500	1234.700	11741.700	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	9150.000	11300.000	.000	.000	.000	.000	.000
X1	29.473	21.000	9369.600	10096.700	1030.000	970.000	1300.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1229.100	6815.600	1230.200	7351.900	1228.300	8005.100	1225.900	8828.500	1219.000	8886.700
GR	1230.800	9018.300	1231.000	9106.100	1207.500	9150.700	1206.700	9369.600	1203.000	9530.400
GR	1209.200	9819.000	1207.000	10000.000	1216.000	10096.700	1216.000	11008.400	1211.200	11300.000
GR	1233.500	11530.000	1233.500	11613.600	1233.500	11784.900	1235.600	11990.400	1247.000	12122.200
GR	1247.800	12470.900	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8850.000	11270.000	.000	.000	.000	.000	.000
X1	29.676	30.000	9012.500	9284.300	920.000	1020.000	1060.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1230.700	6855.200	1231.000	7462.300	1231.200	8005.600	1231.100	8295.400	1226.000	8707.100
GR	1224.900	8819.800	1204.100	8831.400	1202.900	8958.200	1214.900	9012.500	1198.900	9086.000
GR	1198.400	9186.000	1210.800	9284.300	1211.900	9616.000	1211.200	9868.700	1215.500	9994.300
GR	1215.400	10000.000	1220.100	10119.500	1216.000	10882.900	1214.600	11120.700	1215.000	11167.500
GR	1215.000	11446.000	1215.000	11509.700	1215.400	11543.900	1208.700	11591.700	1206.000	11668.700
GR	1200.100	11690.000	1239.300	11929.000	1240.200	12104.600	1248.500	12214.900	1251.400	12565.900
ET	.000	.000	4.100	9400.000	10820.000	.000	.000	.000	.000	.000
X1	29.981	35.000	9163.400	10000.000	1530.000	1180.000	1600.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1234.800	6562.900	1234.300	7160.900	1236.100	7184.100	1236.100	7211.300	1234.300	7224.500
GR	1235.100	7403.400	1235.900	7425.700	1235.200	7711.500	1230.100	8141.100	1230.400	8269.800
GR	1231.900	8312.800	1233.100	8557.700	1234.700	8573.500	1233.500	8831.200	1233.100	8899.000
GR	1221.400	8943.900	1219.300	9054.800	1222.900	9163.400	1222.300	9449.200	1210.500	9490.800
GR	1209.500	9555.900	1209.100	9752.500	1215.300	9796.300	1215.300	9868.300	1217.800	9886.900
GR	1218.300	9987.200	1225.000	10000.000	1216.900	10040.600	1218.600	10104.000	1215.400	10377.600
GR	1210.500	10459.300	1220.700	10590.300	1216.300	10773.700	1216.000	10787.700	1228.000	10850.000

ET	.000	.000	4.100	9400.000	10820.000	.000	.000	.000	.000	.000
X1	29.982	.000	.000	.000	5.000	5.000	5.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
ET	.000	.000	4.100	9054.000	10800.000	.000	.000	.000	.000	.000
X1	30.194	59.000	9032.100	10000.000	1120.000	1170.000	1120.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1235.500	6087.700	1236.000	6154.700	1237.000	6189.200	1237.000	6233.700	1235.800	6275.700
GR	1236.900	6471.700	1237.000	6860.300	1237.700	7227.500	1238.500	7244.900	1238.900	7269.500
GR	1237.200	7303.600	1236.400	7464.400	1234.300	7532.900	1234.900	8218.200	1236.400	8761.000
GR	1237.600	8782.400	1237.700	8812.200	1236.300	9032.100	1225.200	9076.600	1218.100	9121.100
GR	1218.000	9208.700	1208.800	9299.800	1210.900	9411.500	1212.500	9480.400	1216.900	9559.500
GR	1220.700	9694.100	1221.600	9927.400	1228.500	10000.000	1224.300	10023.600	1224.600	10274.200
GR	1226.800	10494.900	1225.000	10640.100	1225.500	10736.000	1229.500	10875.700	1232.300	10921.800
GR	1232.300	11145.700	1249.900	11243.800	1250.800	11300.600	1245.000	11422.500	1245.000	11464.000
GR	1245.000	11545.600	1245.000	11573.600	1245.000	11632.300	1245.000	11650.000	1245.000	11791.100
GR	1245.000	11883.800	1245.000	12045.100	1245.000	12106.800	1245.000	12140.800	1245.000	12173.300
GR	1252.300	12290.100	1253.700	12480.300	1250.800	12512.200	1253.300	12528.100	1253.400	12554.300
GR	1250.800	12577.200	1252.200	12590.100	1253.900	12664.400	1254.100	12925.700	.000	.000
ET	.000	.000	4.100	9054.000	10800.000	.000	.000	.000	.000	.000
X1	30.195	.000	.000	.000	5.000	5.000	5.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
QT	2.000	227500.000	227500.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	9350.000	10775.000	.000	.000	.000	.000	.000
X1	30.458	43.000	9333.500	10777.300	1280.000	1030.000	1370.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1237.100	5616.200	1238.100	6079.400	1239.600	6123.200	1238.100	6776.500	1235.900	7337.600
GR	1236.600	7375.600	1237.000	7420.800	1235.800	7472.300	1235.700	7635.300	1238.200	7650.300
GR	1238.700	7680.000	1236.300	7696.100	1236.300	8062.800	1238.400	9178.000	1237.900	9283.700
GR	1239.100	9333.500	1231.700	9354.500	1230.000	9385.100	1222.300	9414.000	1216.900	9523.200
GR	1214.700	9624.500	1214.900	9860.200	1217.400	10000.000	1222.200	10122.500	1220.900	10270.000
GR	1220.200	10554.000	1227.700	10652.700	1227.900	10719.500	1233.700	10777.300	1251.400	10855.500
GR	1250.300	10944.600	1242.000	11057.500	1242.000	11086.900	1242.000	11212.400	1242.000	11257.900
GR	1242.000	11296.700	1242.000	11320.700	1242.000	11402.900	1242.000	11460.000	1242.000	11526.200
GR	1242.000	11574.800	1242.000	11629.500	1254.900	11653.500	.000	.000	.000	.000
ET	.000	.000	4.100	9310.000	10800.000	.000	.000	.000	.000	.000
X1	30.815	36.000	9568.200	11136.300	1350.000	1390.000	1830.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1238.900	5271.200	1239.500	5796.200	1241.100	5856.400	1238.200	6357.400	1239.300	6383.900
GR	1239.300	6408.900	1238.300	6442.000	1238.300	6633.600	1238.300	7017.600	1237.700	7620.100
GR	1237.700	7892.200	1239.000	7912.900	1238.500	8404.200	1240.300	8448.400	1240.300	8499.000
GR	1239.300	8870.100	1240.100	9221.800	1236.100	9406.900	1232.900	9470.500	1231.900	9514.000
GR	1236.500	9568.200	1226.200	9665.100	1226.500	9727.500	1218.100	9769.700	1217.500	9954.000
GR	1220.800	10000.000	1221.300	10346.200	1222.300	10487.000	1216.000	10770.600	1230.300	10871.600
GR	1251.600	11136.300	1255.500	11229.900	1256.500	11511.600	1259.200	11740.200	1257.600	11773.300
GR	1257.600	12053.000	.000	.000	.000	.000	.000	.000	.000	.000

LT	.000	.000	4.100	9410.000	10845.000	.000	.000	.000	.000	.000
X1	31.028	36.000	10322.800	10772.200	1060.000	1100.000	1100.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1243.500	8747.200	1240.600	8765.600	1241.200	8912.500	1239.800	9071.800	1236.000	9121.600
GR	1238.100	9144.100	1234.900	9199.200	1236.900	9326.400	1245.000	9349.800	1246.200	9382.500
GR	1235.700	9425.800	1233.800	9518.200	1230.900	9534.200	1227.800	9659.800	1232.600	9682.600
GR	1233.100	9756.800	1231.200	9882.100	1235.600	9931.100	1232.700	10000.000	1228.400	10127.100
GR	1226.100	10279.700	1228.000	10322.800	1224.400	10490.100	1218.000	10679.000	1212.700	10772.200
GR	1253.000	10884.900	1256.600	11057.200	1254.900	11307.200	1259.500	11350.400	1260.900	11645.100
GR	1258.300	11670.600	1260.400	11683.500	1260.700	11712.300	1258.300	11726.900	1260.900	11751.200
GR	1261.500	11994.800	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	9410.000	10845.000	.000	.000	.000	.000	.000
X1	31.029	.000	.000	.000	5.000	5.000	5.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
ET	.000	.000	4.100	8770.000	10890.000	.000	.000	.000	.000	.000
X1	31.301	43.000	9689.600	10867.500	1190.000	1380.000	1440.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1245.200	7959.200	1245.300	7989.000	1242.400	8027.100	1242.700	8306.300	1240.300	8705.800
GR	1236.700	8867.300	1235.700	9104.000	1237.600	9154.800	1235.700	9275.700	1231.400	9384.200
GR	1225.600	9689.600	1220.200	9713.800	1220.100	9786.300	1222.400	9835.900	1222.400	9877.300
GR	1224.800	9942.000	1228.000	10000.000	1229.700	10036.200	1228.400	10184.400	1232.200	10225.800
GR	1232.700	10375.200	1232.200	10437.400	1226.800	10547.400	1231.400	10585.600	1229.500	10626.700
GR	1221.600	10665.200	1220.700	10867.500	1263.000	10911.900	1262.800	11065.200	1261.200	11234.100
GR	1263.900	11423.000	1259.800	11596.100	1258.000	11611.900	1260.000	11647.000	1260.000	11685.500
GR	1257.300	11702.100	1258.400	11720.400	1258.800	11752.700	1255.600	11766.800	1258.300	11815.400
GR	1259.700	11936.500	1259.000	12047.100	1259.800	12118.100	.000	.000	.000	.000
ET	.000	.000	4.100	8250.000	11450.000	.000	.000	.000	.000	.000
X1	31.522	58.000	9428.600	11538.900	1120.000	1650.000	1160.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1247.000	7461.100	1244.400	7497.300	1244.800	7703.300	1245.200	8039.000	1235.100	8081.400
GR	1234.800	8179.100	1229.200	8272.700	1229.500	8334.700	1234.300	8401.800	1236.700	8483.900
GR	1240.000	8603.000	1237.200	8654.000	1236.700	8775.200	1242.200	8808.800	1242.900	8880.800
GR	1241.500	8924.600	1241.500	9026.100	1242.300	9062.800	1240.400	9162.300	1240.400	9235.300
GR	1244.500	9428.600	1233.400	9442.100	1229.600	9469.800	1228.600	9533.100	1229.100	9585.400
GR	1227.200	9685.400	1234.400	9740.400	1235.800	9872.400	1233.100	9957.400	1232.200	10000.000
GR	1233.100	10066.600	1234.900	10099.000	1238.000	10207.400	1238.400	10311.300	1236.800	10652.800
GR	1231.200	10706.700	1234.200	10790.500	1233.100	10902.800	1229.200	11141.200	1226.100	11281.200
GR	1224.400	11418.700	1230.000	11446.200	1230.600	11501.500	1264.300	11538.900	1264.400	11590.600
GR	1266.800	11671.000	1267.200	11759.900	1268.500	11785.700	1266.200	11831.400	1268.000	11873.600
GR	1270.500	12030.300	1264.400	12065.000	1265.700	12074.800	1265.700	12101.500	1264.500	12113.300
GR	1271.500	12160.800	1272.700	12335.100	1272.700	12497.900	.000	.000	.000	.000
ET	.000	.000	4.100	8230.000	11950.000	.000	.000	.000	.000	.000
X1	31.725	77.000	9544.000	11019.800	870.000	1530.000	1070.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1248.300	6763.800	1248.300	7039.500	1248.300	7384.700	1248.300	7411.400	1248.300	7433.100
GR	1243.600	7472.900	1244.800	7647.800	1245.900	7951.300	1237.300	7962.800	1234.900	8020.300
GR	1240.000	8056.500	1241.500	8168.900	1241.400	8355.000	1240.200	8460.300	1234.800	8503.500
GR	1234.800	8561.400	1229.500	8697.900	1236.400	8740.300	1240.400	8808.800	1241.000	8910.700
GR	1236.900	8953.300	1246.400	8985.400	1245.300	9028.700	1242.100	9063.600	1243.800	9153.500

GR	1244.100	9233.100	1241.000	9294.200	1245.000	9343.400	1246.400	9431.200	1246.200	9544.000
GR	1242.400	9629.800	1242.900	9673.000	1229.800	9724.400	1231.200	9822.000	1233.200	9969.900
GR	1236.900	9988.300	1236.900	10000.000	1239.400	10067.600	1234.700	10123.000	1237.600	10231.600
GR	1238.200	10342.000	1235.300	10482.600	1229.800	10536.800	1231.400	10639.000	1233.300	10688.200
GR	1229.700	10809.900	1230.900	10874.700	1234.000	10908.800	1237.100	11019.800	1238.500	11202.200
GR	1239.900	11420.100	1240.000	11625.000	1236.200	11738.600	1237.100	11826.400	1233.300	11894.900
GR	1237.100	11976.000	1238.500	12089.300	1235.700	12107.600	1234.700	12218.900	1243.600	12240.400
GR	1239.400	12252.800	1239.400	12335.900	1241.000	12378.100	1245.900	12443.900	1244.500	12544.800
GR	1270.700	12606.900	1271.800	12718.300	1273.900	12834.100	1275.100	12926.700	1270.000	13027.700
GR	1273.400	13221.000	1270.500	13241.900	1274.000	13260.200	1274.800	13294.600	1271.900	13326.100
GR	1276.100	13359.100	1276.100	13410.900	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8300.000	12000.000	.000	.000	.000	.000	.000
X1	31.896	68.000	9650.200	12145.500	920.000	1000.000	980.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1248.000	6420.300	1248.000	6924.600	1248.000	7330.200	1248.000	7361.000	1248.200	7380.800
GR	1247.000	7406.800	1246.400	7515.000	1246.000	7777.300	1247.200	8043.000	1247.800	8220.600
GR	1245.700	8296.000	1239.800	8349.100	1238.000	8440.700	1235.700	8591.900	1239.700	8604.200
GR	1236.200	8648.500	1236.400	8751.800	1241.200	8785.400	1241.900	8849.300	1236.800	8906.200
GR	1234.300	9014.100	1236.400	9150.700	1243.600	9176.600	1246.300	9344.700	1246.900	9414.800
GR	1245.500	9524.700	1246.500	9547.100	1246.100	9650.200	1237.500	9675.800	1232.100	9689.800
GR	1232.300	9803.600	1228.100	9854.300	1232.100	9912.300	1232.500	10000.300	1231.000	10064.800
GR	1235.500	10138.500	1238.800	10226.100	1239.400	10386.700	1239.900	10487.900	1238.600	10731.600
GR	1235.200	10797.000	1237.500	10819.300	1241.700	10904.800	1242.900	10973.100	1243.100	11126.900
GR	1239.700	11307.600	1241.100	11625.600	1237.900	11682.600	1237.700	11737.000	1243.100	11777.000
GR	1245.200	11905.000	1244.200	12112.700	1246.300	12145.500	1243.900	12382.400	1245.500	12454.400
GR	1245.700	12629.500	1242.800	12748.800	1243.000	12939.800	1244.000	13046.100	1245.300	13119.200
GR	1250.500	13210.100	1252.600	13266.700	1256.100	13391.300	1261.500	13442.800	1273.600	13485.900
GR	1278.100	13526.800	1276.600	13596.700	1278.700	13815.300	.000	.000	.000	.000
ET	.000	.000	4.100	8500.000	11600.000	.000	.000	.000	.000	.000
X1	32.126	57.000	8480.800	11726.600	1150.000	1100.000	1130.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1250.100	7405.900	1248.100	7434.900	1248.900	7750.000	1247.800	8108.900	1248.800	8336.800
GR	1248.400	8480.800	1236.800	8523.800	1238.700	8632.600	1239.900	8764.100	1241.000	8802.700
GR	1237.100	8892.300	1239.400	8932.900	1242.200	9052.200	1241.000	9201.400	1240.100	9356.100
GR	1239.400	9451.100	1237.100	9495.000	1236.100	9575.500	1244.500	9595.300	1243.900	9677.500
GR	1235.700	9713.800	1236.400	9842.500	1233.900	9921.400	1236.200	10000.000	1242.500	10155.100
GR	1242.800	10324.600	1240.300	10404.600	1251.200	10447.900	1251.400	10719.800	1253.500	10773.600
GR	1241.100	10899.300	1239.200	10986.800	1242.400	11110.200	1241.700	11195.400	1238.500	11317.800
GR	1247.000	11406.900	1247.900	11455.900	1245.400	11678.600	1248.500	11726.600	1248.500	11887.100
GR	1247.600	12258.400	1246.900	12517.300	1246.600	12763.600	1244.700	13080.500	1249.900	13144.100
GR	1249.900	13321.400	1250.900	13403.400	1249.900	13729.200	1245.800	13790.200	1245.300	13943.300
GR	1242.700	14010.800	1275.300	14132.600	1272.400	14155.700	1274.800	14225.900	1280.700	14255.200
GR	1282.000	14360.700	1280.500	14411.700	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8500.000	11600.000	.000	.000	.000	.000	.000
X1	32.127	.000	.000	.000	5.000	5.000	5.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000

ET	.000	.000	4.100	7900.000	11600.000	.000	.000	.000	.000	.000
X1	32.296	54.000	9694.300	11211.100	940.000	890.000	900.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1253.200	6830.100	1253.200	7202.900	1253.200	7230.700	1253.200	7249.400	1250.500	7273.800
GR	1249.900	7493.000	1250.600	7751.400	1246.600	7780.900	1247.800	7829.600	1243.900	7849.400
GR	1246.600	7937.000	1239.900	7983.700	1241.300	8199.800	1238.900	8257.900	1240.700	8289.100
GR	1244.700	8430.100	1243.100	8465.500	1240.400	8492.000	1241.000	8637.200	1247.500	8662.100
GR	1248.900	8748.400	1244.800	8818.200	1243.600	9085.600	1245.900	9180.300	1246.000	9343.100
GR	1242.100	9437.900	1241.200	9518.600	1246.900	9588.600	1245.900	9694.300	1242.400	9804.900
GR	1235.600	9854.600	1238.100	10000.000	1236.900	10142.900	1239.800	10200.600	1249.100	10238.000
GR	1249.900	10398.200	1248.400	10605.700	1249.900	10724.900	1241.700	10796.600	1243.000	10999.700
GR	1242.400	11180.600	1248.800	11211.100	1249.400	11404.000	1249.500	11597.200	1247.900	11925.900
GR	1247.800	12171.600	1246.700	12434.900	1248.100	12483.200	1248.100	12733.800	1246.900	12959.500
GR	1245.300	13160.200	1247.200	13259.600	1252.600	13327.800	1253.800	13383.200	.000	.000
NH	2.000	.025	11161.400	.040	15106.100	.000	.000	.000	.000	.000
ET	.000	.000	4.100	7875.000	11800.000	.000	.000	.000	.000	.000
X1	32.465	77.000	9925.900	11161.400	910.000	890.000	900.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1255.700	7164.400	1255.700	7181.600	1255.700	7203.800	1253.200	7234.000	1254.500	7432.900
GR	1253.200	7687.200	1245.100	7780.100	1241.800	7822.300	1242.700	7867.600	1240.000	7934.000
GR	1240.000	7983.000	1240.000	8055.400	1244.800	8238.300	1245.800	8393.000	1242.200	8412.700
GR	1240.600	8451.800	1244.100	8476.100	1242.300	8634.900	1240.000	8758.900	1246.500	8785.600
GR	1246.900	8895.900	1244.600	8976.000	1246.600	9000.300	1248.100	9056.400	1247.000	9248.800
GR	1246.900	9405.400	1243.000	9427.600	1246.600	9515.200	1248.500	9654.300	1247.200	9718.200
GR	1244.800	9754.500	1246.500	9805.600	1247.900	9925.900	1246.400	9994.000	1244.500	10000.000
GR	1242.300	10014.900	1240.600	10120.600	1238.300	10196.400	1240.000	10246.200	1239.900	10329.500
GR	1248.100	10371.100	1252.500	10485.300	1251.200	10670.100	1249.400	10803.900	1242.200	10829.800
GR	1242.200	11126.800	1251.400	11161.400	1251.100	11382.600	1249.400	11551.600	1250.800	11576.600
GR	1249.900	11868.200	1247.800	12061.800	1249.800	12095.100	1249.400	12366.400	1247.300	12681.900
GR	1248.000	12817.000	1247.000	12962.400	1249.300	12994.400	1248.700	13071.000	1247.500	13237.400
GR	1254.900	13297.800	1255.900	13343.600	1254.200	13380.800	1254.700	13459.100	1255.400	13518.100
GR	1255.400	13695.800	1255.300	13935.400	1256.300	14100.000	1254.000	14155.000	1248.900	14436.900
GR	1251.100	14478.400	1251.600	14547.800	1251.000	14767.400	1259.100	14803.400	1287.600	14863.000
GR	1289.500	14986.000	1289.000	15106.100	.000	.000	.000	.000	.000	.000
QT	2.000	230000.000	230000.000	.000	.000	.000	.000	.000	.000	.000
NC	.000	.000	.000	.300	.500	.000	.000	.000	.000	.000
NH	4.000	.025	10088.000	.035	10604.900	.025	11443.600	.040	15618.500	.000
ET	.000	.000	4.100	8330.000	12000.000	.000	.000	.000	.000	.000
X1	32.658	56.000	8440.500	11144.400	1220.000	1070.000	1020.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1255.400	5578.300	1255.900	5830.500	1254.900	6137.600	1255.300	6516.800	1254.700	6800.000
GR	1254.900	7092.300	1255.100	7164.300	1254.800	7416.500	1252.900	7538.300	1246.300	7726.800
GR	1244.300	7882.900	1244.300	8071.500	1246.400	8203.600	1249.000	8359.600	1249.600	8440.500
GR	1246.300	8551.700	1241.900	8648.000	1241.900	8750.100	1244.500	8873.200	1244.700	9038.100
GR	1244.800	9235.100	1244.500	9406.200	1244.600	9600.500	1242.800	9717.700	1241.200	9815.100
GR	1249.100	10000.100	1253.000	10088.000	1255.300	10208.100	1255.600	10342.700	1254.200	10497.400
GR	1250.900	10604.900	1245.800	10791.900	1242.500	10923.300	1244.300	11144.400	1248.300	11300.800
GR	1253.000	11443.600	1253.700	11614.600	1253.700	11784.600	1253.100	12051.800	1251.800	12392.800
GR	1252.300	12671.400	1255.200	12860.500	1257.300	13067.100	1259.500	13254.300	1259.600	13469.700
GR	1257.100	13813.800	1254.100	14087.800	1253.900	14320.700	1253.900	14525.800	1255.300	14777.400
GR	1259.000	14923.200	1263.100	15062.900	1268.500	15224.100	1273.300	15357.200	1276.300	15490.900

GR	1280.000	15618.500	.000	.000	.000	.000	.000	.000	.000	.000
NC	.000	.000	.000	.100	.300	.000	.000	.000	.000	.000
NH	6.000	.040	7156.500	.075	7521.600	.025	10310.400	.035	10869.700	.025
NH	11597.000	.040	15810.100	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8350.000	12000.000	.000	.000	.000	.000	.000
X1	32.862	89.000	8493.600	11352.700	970.000	1100.000	1040.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1257.300	5673.000	1256.900	5885.800	1255.900	5897.500	1256.100	6458.300	1257.000	6469.000
GR	1257.000	6567.000	1255.300	6596.500	1253.900	6767.500	1255.200	6801.000	1255.300	7156.500
GR	1255.000	7511.500	1257.300	7521.600	1251.000	7552.400	1251.000	7587.900	1251.000	7600.300
GR	1251.000	7619.500	1251.000	7657.300	1251.000	7714.100	1251.000	7775.400	1251.000	7863.000
GR	1251.000	7960.000	1251.000	8122.200	1247.600	8240.300	1244.300	8370.200	1250.400	8404.200
GR	1249.100	8435.300	1255.800	8454.200	1255.800	8493.600	1246.400	8515.500	1244.700	8597.900
GR	1240.400	8646.400	1242.800	8764.900	1246.400	9019.400	1242.900	9074.000	1246.700	9099.600
GR	1248.300	9173.800	1243.500	9219.800	1242.100	9270.300	1250.000	9302.400	1253.900	9369.800
GR	1254.700	9497.100	1256.100	9553.900	1256.400	9672.100	1253.400	9732.900	1252.200	9873.500
GR	1253.400	9905.700	1253.500	10000.100	1252.500	10130.000	1254.300	10161.700	1250.700	10255.900
GR	1252.800	10310.400	1253.400	10421.700	1254.000	10549.100	1255.300	10741.500	1253.300	10815.000
GR	1253.300	10869.700	1245.600	11004.600	1244.700	11206.500	1248.600	11294.300	1248.100	11352.700
GR	1251.000	11438.200	1249.700	11544.600	1255.400	11597.000	1253.900	11818.500	1255.500	11842.800
GR	1255.500	12099.600	1254.900	12438.800	1254.600	12753.200	1252.700	12930.900	1259.900	13002.800
GR	1259.100	13215.700	1255.700	13289.100	1255.700	13582.400	1256.100	13817.800	1257.100	14118.900
GR	1256.500	14454.700	1255.500	14780.600	1269.800	14816.200	1272.100	14851.900	1269.800	14924.700
GR	1266.100	14959.500	1264.500	14993.000	1267.900	15019.800	1264.800	15133.600	1270.200	15209.100
GR	1273.700	15321.300	1277.500	15510.200	1275.100	15699.600	1277.900	15810.100	.000	.000
NH	6.000	.040	7156.500	.075	7521.600	.025	10310.400	.035	10869.700	.025
NH	11597.000	.040	15810.100	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8350.000	12000.000	.000	.000	.000	.000	.000
X1	32.863	.000	.000	.000	5.000	5.000	5.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
NH	2.000	.025	11602.400	.035	15441.400	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8450.000	11600.000	.000	.000	.000	.000	.000
X1	33.023	75.000	8281.200	11327.700	870.000	880.000	850.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1258.800	5930.000	1258.600	6404.900	1258.500	6676.100	1257.300	6705.000	1257.900	6794.000
GR	1257.000	7213.200	1257.500	7609.300	1258.900	7620.500	1249.000	7673.700	1249.000	7729.400
GR	1249.000	7761.500	1249.000	7836.000	1249.000	7923.200	1249.000	7941.500	1249.000	8013.300
GR	1249.000	8130.800	1249.000	8172.300	1249.000	8205.300	1258.300	8259.400	1258.300	8281.200
GR	1248.700	8304.000	1249.300	8410.800	1248.200	8487.800	1240.100	8525.600	1241.400	8662.200
GR	1239.500	8805.400	1254.800	8887.700	1253.100	9147.500	1254.200	9205.200	1252.100	9362.900
GR	1247.400	9404.200	1253.500	9469.200	1254.900	9616.100	1255.500	9731.600	1253.700	9944.800
GR	1255.200	10000.100	1256.400	10060.100	1256.300	10325.700	1256.000	10493.400	1254.500	10682.100
GR	1255.900	10821.300	1255.900	10916.100	1250.900	10943.600	1246.800	11168.700	1248.200	11248.300
GR	1245.900	11327.700	1247.400	11418.900	1246.200	11469.800	1249.400	11522.800	1250.000	11602.400
GR	1255.700	11702.800	1256.500	11875.900	1257.800	12015.300	1256.600	12279.300	1256.600	12414.200
GR	1259.700	12496.700	1259.400	12585.400	1260.600	12654.600	1258.900	12742.900	1260.000	12912.400
GR	1257.800	12985.600	1256.900	13257.100	1257.900	13441.200	1256.500	13537.800	1258.400	13594.800
GR	1258.400	13827.500	1257.800	14130.100	1257.600	14391.600	1259.600	14658.400	1259.700	14830.400
GR	1260.700	14890.800	1259.900	15007.400	1263.400	15151.300	1262.200	15330.400	1268.000	15441.400

NH	2.000	.025	11821.500	.035	16213.300	.000	.000	.000	.000	.000
ET	.000	.000	4.100	7862.000	11600.000	.000	.000	.000	.000	.000
X1	33.205	71.000	8080.800	11345.800	950.000	920.000	960.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1262.900	6050.000	1262.900	6481.100	1262.900	6948.600	1262.900	7258.200	1262.900	7286.300
GR	1261.500	7395.100	1260.700	7552.400	1259.200	7583.000	1259.300	7668.100	1257.100	7694.400
GR	1261.000	7743.900	1259.500	7771.000	1250.300	7839.800	1249.000	8080.800	1246.100	8206.000
GR	1242.300	8266.000	1245.700	8435.000	1243.600	8518.200	1240.900	8625.300	1253.300	8677.700
GR	1254.500	8728.300	1254.400	8933.700	1255.100	9150.000	1256.400	9561.000	1254.800	9579.500
GR	1254.800	9613.600	1256.500	9652.300	1258.200	9890.500	1256.600	9933.900	1257.500	10000.500
GR	1258.100	10047.900	1257.800	10281.300	1256.400	10400.700	1257.200	10564.300	1257.200	10774.700
GR	1254.700	10850.900	1249.400	10910.300	1251.000	10989.400	1249.100	11012.600	1251.600	11070.800
GR	1250.900	11172.000	1254.800	11195.400	1256.900	11277.100	1255.800	11332.600	1251.600	11345.800
GR	1249.800	11467.900	1248.700	11673.000	1250.600	11821.500	1260.800	11861.900	1261.200	12146.600
GR	1260.300	12509.500	1257.800	12711.300	1259.000	13001.700	1259.900	13096.400	1257.500	13402.700
GR	1259.600	13478.000	1259.900	13684.900	1258.000	13930.700	1258.700	14333.200	1259.000	14836.600
GR	1259.900	15000.700	1268.300	15095.000	1269.000	15155.200	1269.000	15255.200	1270.100	15403.400
GR	1270.200	15587.000	1272.600	15727.500	1271.000	15784.500	1274.900	15928.100	1275.000	16094.800
GR	1274.500	16213.300	.000	.000	.000	.000	.000	.000	.000	.000
NH	2.000	.025	11953.600	.035	16255.400	.000	.000	.000	.000	.000
ET	.000	.000	4.100	7749.000	11600.000	.000	.000	.000	.000	.000
X1	33.385	60.000	7749.300	11448.000	960.000	940.000	920.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1265.700	7670.000	1265.700	7706.700	1265.100	7749.300	1250.900	7771.900	1247.400	7902.400
GR	1242.900	8030.800	1244.800	8178.300	1250.900	8259.700	1249.700	8297.400	1254.500	8332.600
GR	1254.700	8389.500	1252.800	8471.200	1247.700	8706.700	1252.600	8732.400	1255.200	8795.100
GR	1257.100	8816.900	1256.300	8975.000	1255.200	9130.600	1252.600	9152.000	1253.200	9283.800
GR	1256.700	9307.000	1257.300	9437.100	1257.300	9600.000	1257.600	9826.400	1256.900	10000.000
GR	1257.600	10043.500	1257.600	10236.000	1258.700	10418.100	1256.600	10495.400	1257.600	10640.300
GR	1254.100	10662.400	1251.900	10816.000	1255.400	10836.600	1255.400	10907.900	1253.700	11121.800
GR	1255.200	11146.700	1257.300	11448.000	1251.900	11468.200	1249.400	11622.600	1251.600	11863.400
GR	1249.800	11953.600	1256.000	11997.200	1256.000	12047.400	1260.300	12068.700	1260.300	12233.300
GR	1258.800	12406.600	1259.000	12653.500	1258.200	13092.700	1259.400	13482.600	1259.400	13898.700
GR	1258.900	14389.500	1258.900	14733.200	1259.300	15155.400	1270.000	15196.300	1271.400	15366.400
GR	1271.300	15481.600	1267.000	15498.000	1268.200	15771.900	1272.500	16117.200	1274.400	16255.400
NH	2.000	.025	11776.100	.035	16082.500	.000	.000	.000	.000	.000
ET	.000	.000	4.100	7730.000	11600.000	.000	.000	.000	.000	.000
X1	33.557	48.000	7752.400	11413.900	880.000	920.000	890.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1265.200	7725.800	1244.500	7752.400	1243.500	7838.600	1245.100	7948.300	1254.700	8128.400
GR	1253.700	8222.500	1255.900	8300.400	1256.100	8412.700	1254.900	8593.700	1252.100	8732.200
GR	1254.000	8778.900	1254.600	8853.100	1252.800	9059.600	1254.300	9139.500	1256.800	9190.800
GR	1256.500	9291.200	1255.600	9325.000	1255.900	9484.000	1258.800	9510.200	1258.800	9684.100
GR	1259.100	9926.200	1258.200	10000.100	1258.300	10439.700	1258.400	10684.700	1253.400	10731.400
GR	1256.400	10961.300	1257.600	11231.800	1252.000	11413.900	1249.000	11654.600	1252.300	11776.100
GR	1262.600	11842.600	1261.400	12295.600	1261.100	12667.700	1260.800	12731.000	1262.600	12833.000
GR	1261.800	13229.900	1260.500	13721.600	1260.000	14164.800	1259.500	14611.500	1258.800	15023.300
GR	1260.700	15244.400	1262.600	15363.400	1262.600	15484.100	1271.000	15548.200	1273.200	15723.100
GR	1276.100	15881.800	1276.700	15991.400	1277.500	16082.500	.000	.000	.000	.000

QT	2.000	232500.000	232500.000	.000	.000	.000	.000	.000	.000	.000
NH	2.000	.025	11232.500	.035	15964.100	.000	.000	.000	.000	.000
ET	.000	.000	4.100	7794.000	11450.000	.000	.000	.000	.000	.000
X1	33.726	54.000	7794.300	11232.500	890.000	940.000	930.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1265.000	6694.000	1264.800	7285.900	1265.500	7305.900	1264.400	7756.900	1265.900	7794.300
GR	1258.200	7813.900	1243.900	7837.400	1243.900	7878.400	1246.300	7923.900	1249.100	8032.200
GR	1248.100	8091.200	1251.700	8213.600	1253.600	8297.300	1257.900	8497.400	1256.400	8688.500
GR	1251.600	8876.700	1258.200	8965.400	1258.200	9067.900	1255.700	9092.500	1254.700	9257.300
GR	1257.600	9398.200	1258.400	9620.200	1260.700	9643.800	1259.400	9847.200	1260.600	10000.000
GR	1259.100	10197.200	1260.200	10373.800	1259.400	10494.300	1254.300	10584.100	1253.500	10988.600
GR	1248.900	11187.100	1249.500	11232.500	1259.700	11308.600	1257.600	11394.500	1260.100	11446.800
GR	1260.800	11508.800	1263.200	11536.100	1262.400	11772.500	1262.300	11843.100	1264.800	11906.800
GR	1264.400	12055.800	1261.300	12127.400	1262.500	12193.300	1262.900	12313.700	1262.600	12571.800
GR	1263.100	13080.000	1260.800	13542.200	1260.700	14150.700	1258.800	14609.000	1258.900	15051.400
GR	1278.000	15122.200	1275.800	15418.100	1275.200	15660.400	1276.800	15964.100	.000	.000
NH	2.000	.025	11337.600	.035	15858.800	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8030.000	11300.000	.000	.000	.000	.000	.000
X1	33.892	65.000	8069.200	11130.400	870.000	910.000	880.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1268.100	6914.000	1270.300	6981.200	1268.500	7013.300	1268.000	7180.400	1266.200	7303.000
GR	1266.600	7903.300	1267.100	8020.800	1247.600	8069.200	1251.300	8209.100	1249.200	8341.700
GR	1245.700	8574.200	1247.400	8605.900	1259.100	8659.600	1262.000	8698.000	1260.700	8894.200
GR	1259.300	9002.600	1261.300	9094.400	1259.700	9179.500	1262.300	9230.900	1259.100	9263.600
GR	1255.500	9326.800	1257.800	9469.800	1257.500	9562.900	1260.500	9581.800	1262.900	9628.700
GR	1262.700	9857.700	1262.100	10000.300	1262.300	10130.100	1259.100	10143.700	1258.300	10274.400
GR	1254.000	10489.700	1252.500	10582.000	1254.600	10643.000	1255.400	10854.700	1254.000	10971.900
GR	1256.600	11018.600	1255.500	11130.400	1260.600	11154.200	1260.800	11266.000	1264.900	11337.600
GR	1263.300	11464.200	1265.300	11617.800	1266.100	11665.400	1265.300	11866.300	1262.300	11970.900
GR	1263.600	12134.400	1265.400	12201.800	1264.400	12450.300	1264.100	12673.400	1263.700	12972.500
GR	1263.800	13551.000	1264.200	13992.600	1264.200	14270.800	1267.700	14373.600	1268.000	14586.000
GR	1271.300	14772.700	1272.000	14870.400	1268.900	14875.700	1272.800	14949.800	1274.500	15131.400
GR	1276.000	15299.200	1281.100	15356.800	1278.100	15548.700	1279.600	15732.900	1280.300	15858.800
NH	2.000	.025	11315.700	.035	15690.100	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8450.000	11220.000	.000	.000	.000	.000	.000
X1	34.091	79.000	8453.800	10924.900	900.000	910.000	1050.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	1248.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1270.700	7200.400	1271.300	7380.600	1272.700	7436.200	1270.300	7446.100	1268.700	7632.600
GR	1258.900	7640.600	1258.900	7944.700	1260.600	7970.100	1277.700	7997.300	1270.800	8017.000
GR	1271.100	8057.900	1276.700	8128.700	1267.400	8146.200	1259.900	8153.000	1257.700	8175.000
GR	1270.100	8202.000	1267.800	8218.500	1269.900	8272.800	1241.000	8326.500	1211.100	8379.500
GR	1212.900	8453.800	1214.300	8464.900	1208.600	8483.300	1208.300	8569.800	1204.900	8615.900
GR	1202.400	8632.100	1202.000	8657.600	1229.600	8707.000	1231.400	8775.700	1249.300	8827.100
GR	1253.100	8977.900	1258.200	9034.400	1261.800	9132.800	1263.500	9246.200	1263.500	9333.900
GR	1260.700	9428.900	1258.800	9620.800	1260.100	9670.900	1259.600	9779.400	1257.600	10000.100
GR	1259.300	10035.600	1260.000	10121.800	1257.100	10145.400	1255.100	10231.500	1256.000	10372.700
GR	1259.900	10399.300	1261.100	10454.600	1259.600	10583.400	1261.400	10620.600	1260.300	10696.700
GR	1264.300	10724.700	1264.300	10790.800	1261.500	10803.500	1260.500	10924.900	1259.500	11100.100
GR	1262.900	11123.200	1261.800	11164.100	1263.100	11193.000	1263.200	11260.100	1268.100	11315.700
GR	1266.800	11477.300	1267.500	11558.300	1266.500	11831.200	1263.900	11870.100	1263.900	12024.100

GR	1266.300	12123.400	1267.400	12205.100	1267.300	12458.800	1267.500	12707.700	1267.300	13019.600
GR	1266.500	13408.700	1266.800	13578.700	1266.400	14033.100	1267.700	14452.200	1269.400	14847.800
GR	1270.900	15233.900	1273.400	15503.500	1281.600	15547.500	1282.600	15690.100	.000	.000
NH	2.000	.025	10095.700	.035	15323.900	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8859.600	11016.600	.000	.000	.000	.000	.000
X1	34.271	53.000	8723.000	11150.100	910.000	870.000	880.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1273.400	7220.000	1273.400	7405.800	1273.900	7430.800	1273.900	7453.200	1272.900	7470.200
GR	1272.900	7933.700	1271.000	7986.600	1270.300	8334.800	1279.900	8371.400	1271.000	8412.500
GR	1271.000	8448.200	1278.900	8480.600	1271.400	8537.500	1271.500	8592.100	1271.000	8608.800
GR	1271.500	8627.200	1270.900	8671.300	1275.900	8695.300	1275.500	8723.000	1255.100	8768.600
GR	1250.300	8814.900	1248.000	8859.600	1250.600	8880.700	1250.000	8972.600	1251.800	9111.900
GR	1257.800	9333.600	1258.300	9528.600	1260.000	9813.200	1259.700	10000.200	1260.000	10065.700
GR	1264.700	10095.700	1265.300	10395.500	1263.900	10582.100	1265.400	10664.100	1262.100	10702.800
GR	1260.800	10860.000	1262.100	10913.900	1261.900	10994.000	1265.100	11016.600	1266.000	11150.100
GR	1270.300	11198.500	1268.600	11242.800	1269.600	11429.300	1265.500	11670.400	1268.600	11822.100
GR	1269.000	12061.300	1269.000	12399.800	1268.500	12874.600	1268.500	13584.500	1268.000	14027.700
GR	1268.600	14464.200	1270.000	15029.600	1270.300	15323.900	.000	.000	.000	.000
NH	2.000	.025	10095.700	.035	15323.900	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8859.600	11016.600	.000	.000	.000	.000	.000
X1	34.272	.000	.000	.000	5.000	5.000	5.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
NH	3.000	.025	10955.600	.035	11869.400	.050	15240.500	.000	.000	.000
ET	.000	.000	4.100	8870.000	11140.000	.000	.000	.000	.000	.000
X1	34.453	51.000	8920.600	11281.700	900.000	900.000	900.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1278.800	7200.000	1279.200	7447.800	1279.500	7474.300	1279.500	7486.700	1277.500	7505.400
GR	1276.300	7586.100	1276.300	7623.900	1276.200	7717.600	1276.100	7739.100	1275.800	7861.400
GR	1276.200	8075.300	1275.100	8258.200	1273.200	8479.000	1270.100	8596.300	1274.100	8630.000
GR	1272.300	8724.800	1275.500	8765.600	1276.500	8863.200	1254.800	8920.600	1252.900	9139.400
GR	1249.500	9201.900	1250.500	9302.200	1254.600	9352.100	1261.700	9453.300	1262.100	9591.100
GR	1261.400	9763.700	1260.000	9798.400	1266.800	9835.800	1266.700	10000.100	1265.400	10473.400
GR	1262.300	10586.900	1261.400	10926.300	1268.000	10955.600	1268.600	11066.900	1262.500	11194.800
GR	1267.800	11222.000	1271.500	11281.700	1271.100	11442.900	1264.700	11583.600	1268.000	11660.600
GR	1267.300	11747.500	1269.700	11869.400	1269.500	12096.500	1271.300	12461.300	1269.600	13103.600
GR	1269.200	13441.400	1269.800	14006.000	1270.000	14535.000	1271.600	14903.500	1275.700	14991.100
GR	1274.400	15240.500	.000	.000	.000	.000	.000	.000	.000	.000
QT	2.000	235000.000	235000.000	.000	.000	.000	.000	.000	.000	.000
NH	3.000	.025	10756.500	.035	11685.400	.050	14912.000	.000	.000	.000
ET	.000	.000	4.100	9060.000	11170.000	.000	.000	.000	.000	.000
X1	34.642	63.000	9095.100	11178.900	1000.000	1070.000	1020.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1285.300	7237.000	1286.100	7477.400	1286.500	7508.600	1286.500	7523.000	1285.900	7734.400
GR	1285.100	7810.800	1282.500	7870.300	1280.100	8076.100	1280.100	8302.400	1274.000	8327.900
GR	1274.000	8525.800	1274.000	8538.000	1274.000	8552.700	1276.200	8564.500	1275.700	8584.300
GR	1274.000	8614.100	1284.800	8649.200	1284.900	8666.600	1276.400	8700.100	1277.100	8735.400
GR	1284.000	8812.700	1281.800	8946.500	1278.200	8983.400	1274.400	9056.500	1252.900	9095.100
GR	1251.100	9244.800	1247.900	9342.900	1254.900	9372.400	1260.200	9441.700	1260.200	9563.900
GR	1262.500	9736.800	1262.000	9836.100	1264.800	9904.500	1264.700	10000.100	1267.900	10148.100
GR	1268.100	10156.800	1266.300	10168.500	1266.100	10341.300	1262.500	10614.200	1261.800	10719.100

GR	1267.500	10756.500	1268.900	10900.900	1271.500	10985.700	1268.600	11022.700	1268.500	11060.700
GR	1272.800	11178.900	1268.700	11241.400	1270.700	11299.900	1264.700	11448.300	1271.300	11518.400
GR	1268.400	11599.200	1273.200	11685.400	1272.900	11907.200	1269.800	11988.100	1273.300	12075.300
GR	1271.500	12237.300	1272.200	12413.300	1272.300	12609.800	1272.700	12867.200	1271.900	13389.100
GR	1272.600	13865.100	1271.800	14326.900	1272.400	14912.000	.000	.000	.000	.000
NH	4.000	.040	9126.900	.025	10878.900	.035	12257.900	.050	14460.100	.000
ET	.000	.000	4.100	9100.000	11180.000	.000	.000	.000	.000	.000
X1	34.856	59.000	9126.900	11496.600	1160.000	1000.000	1060.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1292.000	7381.000	1291.500	7565.800	1289.600	7626.200	1290.300	7951.400	1287.600	8165.000
GR	1285.400	8506.600	1282.300	8799.200	1286.500	8816.100	1281.600	8843.900	1271.100	8862.000
GR	1271.100	8871.800	1281.000	8898.800	1278.800	8949.900	1276.900	9020.700	1256.400	9050.900
GR	1261.400	9073.700	1261.400	9092.200	1255.400	9126.900	1251.900	9290.400	1255.900	9406.500
GR	1257.600	9695.000	1262.000	9914.900	1263.100	10000.100	1266.100	10125.000	1263.800	10355.200
GR	1269.000	10442.400	1267.100	10518.700	1269.600	10679.500	1268.300	10735.300	1263.700	10756.500
GR	1264.100	10855.000	1271.500	10878.900	1272.200	11023.100	1270.400	11099.000	1272.800	11130.900
GR	1272.300	11183.200	1269.000	11202.000	1270.100	11255.100	1273.300	11330.400	1272.500	11457.900
GR	1274.400	11496.600	1269.100	11672.000	1273.700	11701.600	1275.200	11791.100	1274.000	11966.600
GR	1274.700	12038.800	1273.500	12128.100	1271.000	12149.600	1270.800	12201.700	1274.600	12257.900
GR	1275.100	12471.500	1275.800	12725.300	1275.300	12993.400	1275.500	13318.600	1274.000	13857.700
GR	1272.000	14166.800	1273.100	14248.800	1281.600	14335.200	1282.100	14460.100	.000	.000
NH	4.000	.040	8857.500	.025	11551.100	.035	12538.100	.050	14721.000	.000
ET	.000	.000	4.100	8850.000	11160.000	.000	.000	.000	.000	.000
X1	35.136	68.000	9646.300	10892.100	1250.000	690.000	1480.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1303.100	7384.000	1301.100	7652.200	1304.300	7671.100	1299.200	7682.300	1304.700	7699.600
GR	1304.700	7710.200	1299.000	7718.500	1299.300	7772.700	1306.100	7788.000	1306.300	7810.300
GR	1298.900	7842.900	1296.500	8041.200	1296.100	8365.900	1295.100	8435.000	1291.500	8439.700
GR	1287.600	8603.600	1289.700	8640.900	1285.400	8694.100	1284.000	8712.000	1284.000	8735.400
GR	1288.400	8770.300	1291.800	8796.700	1290.000	8830.800	1260.700	8857.500	1263.800	8955.700
GR	1263.300	9087.600	1263.000	9238.400	1266.500	9330.600	1268.100	9469.600	1269.500	9646.300
GR	1263.700	9681.200	1262.400	9728.500	1265.100	9778.600	1264.300	10000.200	1258.400	10273.700
GR	1256.600	10383.700	1256.300	10549.300	1270.200	10594.100	1269.900	10776.700	1266.300	10815.500
GR	1265.400	10874.200	1273.900	10892.100	1273.900	10955.900	1273.100	11115.000	1274.300	11150.300
GR	1272.000	11192.300	1272.300	11288.400	1275.200	11342.300	1274.700	11551.100	1269.600	11739.900
GR	1275.000	11783.400	1275.700	11835.400	1274.700	11917.600	1276.300	11992.600	1277.000	12172.800
GR	1272.200	12225.800	1274.700	12268.400	1276.300	12538.100	1276.700	12841.100	1276.000	13085.000
GR	1275.000	13460.300	1273.700	13913.900	1277.800	13987.900	1275.700	14178.000	1276.800	14309.800
GR	1279.300	14344.100	1282.300	14531.700	1277.600	14721.000	.000	.000	.000	.000
NH	4.000	.040	8745.800	.025	11573.000	.035	12068.200	.050	14676.800	.000
ET	.000	.000	4.100	8720.000	11250.000	.000	.000	.000	.000	.000
X1	35.297	77.000	10436.300	10969.600	1200.000	670.000	800.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1305.500	7009.000	1303.900	7198.400	1311.800	7231.700	1312.400	7258.800	1304.100	7276.000
GR	1304.100	7293.300	1299.300	7301.000	1299.300	7369.400	1307.000	7387.000	1308.300	7457.100
GR	1303.400	7485.400	1303.100	7532.100	1305.800	7546.900	1302.300	7579.600	1302.900	7640.600
GR	1305.800	7685.900	1303.500	7811.900	1295.600	7845.200	1302.500	7876.000	1298.700	8112.700
GR	1293.900	8290.200	1298.400	8326.600	1296.600	8372.800	1284.000	8408.900	1284.000	8439.100
GR	1292.700	8476.700	1298.500	8516.800	1295.000	8535.000	1298.000	8572.400	1286.900	8685.100
GR	1266.200	8745.800	1264.400	8784.100	1268.900	8917.900	1272.300	8940.400	1264.400	8986.000
GR	1266.300	9119.800	1265.400	9434.500	1269.900	9508.600	1269.900	9651.500	1271.900	9751.400

GR	1269.200	10000.200	1268.600	10038.600	1266.700	10081.800	1265.500	10292.100	1267.400	10321.000
GR	1266.800	10436.300	1263.700	10495.500	1258.400	10523.500	1258.500	10679.900	1255.900	10803.800
GR	1261.900	10835.200	1264.800	10936.400	1274.000	10969.600	1275.900	11001.300	1276.300	11052.600
GR	1274.500	11218.900	1277.300	11267.600	1274.900	11310.100	1276.400	11453.700	1275.900	11573.000
GR	1273.200	11643.700	1274.500	11856.800	1276.300	11941.400	1274.900	12015.600	1278.200	12068.200
GR	1276.700	12207.500	1277.300	12557.200	1276.600	13020.900	1276.600	13425.700	1277.000	13519.000
GR	1283.800	13573.200	1285.000	13685.100	1285.400	13814.200	1282.200	14001.500	1281.000	14185.600
GR	1282.200	14398.800	1280.500	14676.800	.000	.000	.000	.000	.000	.000
NH	3.000	.040	8882.200	.025	11424.400	.050	14062.600	.000	.000	.000
ET	.000	.000	4.100	8850.000	11350.000	.000	.000	.000	.000	.000
X1	35.480	58.000	10498.800	11026.900	1060.000	720.000	950.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1296.300	7087.000	1299.000	7264.600	1299.000	7532.500	1306.300	7590.500	1305.700	7642.700
GR	1296.600	7657.200	1296.600	7730.600	1306.100	7750.700	1306.200	7781.700	1304.900	7856.100
GR	1297.300	7879.200	1297.100	8044.200	1297.500	8232.100	1288.300	8269.100	1298.100	8304.800
GR	1290.800	8448.000	1284.000	8491.200	1284.000	8534.000	1289.400	8583.600	1276.300	8639.500
GR	1279.900	8670.000	1280.000	8848.800	1269.500	8882.200	1265.600	8971.200	1265.700	9321.900
GR	1269.200	9357.700	1271.300	9548.900	1268.000	9691.200	1272.500	9717.100	1273.400	9911.500
GR	1269.800	10000.300	1267.900	10090.500	1270.900	10355.400	1269.000	10498.800	1262.300	10579.400
GR	1256.400	10599.900	1256.300	10670.000	1259.000	10824.700	1263.800	10882.700	1265.900	11026.900
GR	1265.300	11168.500	1263.100	11209.400	1267.400	11304.100	1273.000	11342.800	1278.200	11424.400
GR	1279.300	11562.600	1277.000	11668.900	1279.900	11715.000	1278.200	11798.300	1279.000	12057.600
GR	1278.100	12327.000	1277.800	12726.100	1280.200	12798.700	1279.400	13012.100	1280.900	13256.000
GR	1282.800	13466.000	1284.600	13723.800	1283.000	14062.600	.000	.000	.000	.000
NH	2.000	.025	11393.700	.040	13726.000	.000	.000	.000	.000	.000
QT	2.000	237500.000	237500.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8790.000	11400.000	.000	.000	.000	.000	.000
X1	35.661	59.000	10209.200	11055.000	1020.000	900.000	950.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1317.200	7051.000	1315.900	7188.100	1308.700	7250.400	1307.400	7300.500	1311.600	7316.300
GR	1311.600	7333.900	1307.200	7347.000	1303.900	7436.600	1303.300	7555.700	1310.300	7581.200
GR	1309.000	7604.900	1297.800	7619.500	1297.800	7670.500	1306.900	7685.400	1305.800	7727.600
GR	1298.800	7755.600	1295.900	7818.200	1296.100	7886.500	1293.400	7929.000	1287.800	8176.700
GR	1292.800	8211.300	1285.600	8270.500	1284.800	8456.800	1287.100	8494.500	1276.700	8531.500
GR	1278.700	8637.200	1282.100	8664.600	1281.100	8797.600	1271.800	8836.500	1272.700	9032.800
GR	1262.800	9103.900	1265.300	9261.900	1267.700	9278.400	1271.200	9438.400	1273.200	9670.900
GR	1273.600	9802.800	1271.900	9883.000	1274.300	10000.300	1274.500	10112.900	1275.500	10209.200
GR	1270.000	10374.800	1263.500	10587.400	1258.200	10628.800	1258.000	10780.400	1266.100	10811.400
GR	1269.600	11055.000	1266.000	11239.400	1267.600	11393.700	1280.600	11412.800	1281.800	11523.200
GR	1281.600	11782.900	1280.400	12036.200	1283.900	12275.300	1286.000	12322.400	1285.600	12568.400
GR	1286.400	12799.300	1287.100	13083.700	1285.900	13392.500	1284.000	13726.000	.000	.000
NH	2.000	.025	10682.400	.040	10862.500	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8750.000	10850.000	.000	.000	.000	.000	.000
X1	36.011	48.000	9618.600	10862.500	1810.000	1840.000	1820.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1301.900	6653.000	1300.700	6843.600	1314.200	6932.100	1316.500	7001.300	1309.000	7021.300
GR	1323.500	7111.700	1320.000	7219.700	1307.400	7288.200	1307.900	7317.700	1297.800	7350.400
GR	1297.800	7489.100	1308.000	7539.100	1307.200	7706.300	1302.500	7799.700	1304.800	7843.400
GR	1297.700	7946.500	1284.700	7987.500	1284.000	8043.600	1288.100	8097.600	1287.700	8130.100
GR	1297.900	8203.200	1278.200	8241.400	1278.500	8288.200	1294.700	8323.300	1295.500	8347.600

GR	1287.500	8376.700	1285.000	8513.200	1286.900	8686.900	1272.000	8725.700	1272.000	8810.400
GR	1272.000	8859.800	1272.000	8918.600	1275.500	9023.000	1276.900	9206.300	1271.500	9225.700
GR	1270.000	9342.200	1273.100	9359.800	1273.800	9580.900	1275.500	9618.600	1273.200	9857.600
GR	1270.800	10000.200	1267.300	10096.900	1267.300	10232.300	1265.300	10476.800	1260.500	10682.400
GR	1267.900	10713.900	1270.200	10817.700	1287.400	10862.500	.000	.000	.000	.000
NH	2.000	.025	10641.000	.040	12423.800	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8730.000	10700.000	.000	.000	.000	.000	.000
X1	36.203	55.000	9495.800	10769.000	920.000	930.000	920.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1316.900	6566.000	1310.700	6651.400	1308.600	6713.400	1306.700	6794.900	1314.900	6854.900
GR	1305.800	6883.500	1298.900	6909.700	1299.000	6975.000	1306.200	6994.200	1309.200	7130.600
GR	1308.200	7254.700	1303.500	7370.000	1293.500	7427.200	1292.100	7572.000	1295.400	7603.600
GR	1296.200	7685.200	1292.200	7710.500	1299.300	7752.900	1295.700	7837.500	1288.400	7892.900
GR	1288.500	8036.300	1299.000	8115.700	1277.200	8155.500	1276.800	8200.000	1297.000	8247.000
GR	1287.400	8312.000	1284.600	8535.100	1283.200	8732.300	1274.800	8748.600	1276.600	9099.000
GR	1274.600	9323.600	1280.100	9385.000	1281.800	9495.800	1276.200	9536.700	1277.600	9778.800
GR	1270.500	10000.100	1266.200	10041.300	1264.500	10340.000	1262.100	10424.800	1264.000	10569.300
GR	1270.800	10599.400	1263.500	10641.000	1269.400	10722.900	1288.000	10769.000	1288.000	10794.500
GR	1288.000	10852.300	1288.000	10882.100	1288.000	10973.700	1288.000	11015.600	1288.000	11134.400
GR	1288.000	11322.300	1287.200	11590.000	1286.700	11924.000	1286.400	12170.900	1287.000	12423.800
NH	2.000	.025	10719.400	.040	11318.200	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8800.000	10750.000	.000	.000	.000	.000	.000
X1	36.403	40.000	9583.800	10761.500	1050.000	1030.000	1020.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1310.100	6981.400	1307.900	7137.800	1305.200	7253.300	1310.700	7269.300	1300.000	7298.500
GR	1300.000	7349.100	1306.800	7363.800	1307.700	7386.300	1301.400	7439.300	1298.800	7645.700
GR	1296.200	7867.100	1293.000	8158.000	1290.500	8284.900	1292.600	8299.700	1287.800	8319.500
GR	1292.300	8338.700	1290.900	8368.500	1305.500	8419.600	1279.200	8469.900	1277.300	8524.000
GR	1301.400	8576.400	1291.400	8611.900	1288.000	8733.100	1281.500	8836.300	1276.500	8853.700
GR	1277.100	9012.500	1279.800	9325.400	1283.900	9583.800	1280.800	9820.800	1277.100	9835.000
GR	1277.800	9950.800	1273.800	9983.000	1272.800	10000.000	1270.200	10106.900	1266.000	10382.800
GR	1265.300	10719.400	1287.000	10761.500	1292.300	10796.400	1293.600	11045.200	1295.200	11318.200
NH	3.000	.040	9065.900	.025	10590.800	.040	11159.800	.000	.000	.000
ET	.000	.000	4.100	9030.000	10650.000	.000	.000	.000	.000	.000
X1	36.595	45.000	9914.600	10666.500	1020.000	970.000	970.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1326.600	7256.400	1321.600	7502.400	1318.700	7570.000	1320.400	7609.000	1320.800	7655.300
GR	1314.900	7810.600	1308.000	7958.000	1317.800	7980.300	1318.500	7998.300	1309.400	8017.200
GR	1302.300	8033.800	1302.300	8080.600	1309.200	8096.800	1309.700	8139.500	1305.800	8154.500
GR	1309.400	8218.200	1308.800	8320.000	1310.700	8405.300	1309.500	8510.800	1297.500	8583.800
GR	1297.600	8632.500	1291.100	8664.900	1299.300	8706.000	1310.600	8738.500	1280.200	8791.400
GR	1278.900	8838.800	1306.000	8893.500	1292.700	8930.700	1290.300	9001.700	1284.000	9048.500
GR	1278.500	9065.900	1280.400	9224.000	1280.300	9429.400	1280.000	9696.200	1280.000	9914.600
GR	1275.500	10000.000	1275.400	10057.300	1270.100	10145.900	1270.600	10395.600	1262.600	10454.400
GR	1266.500	10525.900	1265.700	10590.800	1294.800	10666.500	1298.100	10924.000	1299.200	11159.800

QT	2.000	240000.000	240000.000	.000	.000	.000	.000	.000	.000	.000
NH	3.000	.040	9337.000	.025	10574.600	.040	10680.300	.000	.000	.000
ET	.000	.000	4.100	9250.000	10650.000	.000	.000	.000	.000	.000
X1	36.775	22.000	10039.000	10680.300	980.000	940.000	940.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1308.300	7824.000	1301.400	8400.000	1301.400	9046.900	1281.400	9098.600	1281.600	9137.400
GR	1300.800	9184.800	1301.200	9223.500	1285.000	9268.000	1286.100	9316.600	1279.000	9337.000
GR	1281.000	9419.600	1280.100	9520.800	1281.800	9799.400	1280.100	10000.000	1280.700	10039.000
GR	1274.100	10060.600	1270.600	10236.000	1268.900	10341.100	1270.200	10369.300	1268.400	10534.400
GR	1265.700	10574.600	1302.300	10680.300	.000	.000	.000	.000	.000	.000
NH	3.000	.040	9438.500	.025	10743.200	.040	10831.700	.000	.000	.000
ET	.000	.000	4.100	9440.000	10800.000	.000	.000	.000	.000	.000
X1	36.953	33.000	9875.700	10831.700	920.000	920.000	920.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1312.800	8056.600	1307.400	8195.600	1305.900	8277.200	1309.800	8298.000	1310.200	8314.800
GR	1301.800	8321.700	1301.800	8373.000	1309.400	8381.200	1310.000	8408.500	1300.200	8458.000
GR	1300.700	8504.000	1305.600	8537.000	1300.000	8570.700	1300.200	8662.600	1308.600	8721.400
GR	1309.100	8757.700	1299.300	8805.800	1302.000	8977.300	1304.200	9205.500	1289.900	9308.700
GR	1286.400	9413.800	1278.000	9438.500	1278.900	9462.800	1279.800	9606.000	1278.400	9875.700
GR	1276.200	10000.000	1273.000	10197.600	1269.600	10225.200	1268.400	10390.300	1274.900	10428.800
GR	1275.500	10641.400	1273.600	10743.200	1305.000	10831.700	.000	.000	.000	.000
NH	3.000	.060	9527.200	.030	10565.500	.040	12201.500	.000	.000	.000
ET	.000	.000	4.100	9450.000	10800.000	.000	.000	.000	.000	.000
X1	37.152	39.000	9429.300	10631.800	930.000	910.000	990.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1311.200	8124.300	1307.600	8358.300	1312.100	8395.500	1311.900	8421.600	1301.600	8442.300
GR	1301.600	8504.100	1308.400	8520.600	1308.900	8545.500	1303.900	8579.100	1302.900	8635.800
GR	1306.900	8675.100	1303.500	8831.700	1308.500	8921.100	1308.500	9024.600	1306.500	9240.900
GR	1307.200	9429.300	1286.200	9465.900	1285.000	9495.300	1272.900	9527.200	1273.700	9649.900
GR	1274.100	9849.100	1275.800	9942.400	1273.400	10000.000	1278.300	10033.000	1279.500	10188.400
GR	1276.700	10286.800	1274.500	10473.100	1272.500	10565.500	1275.500	10596.100	1288.300	10631.800
GR	1286.800	10718.200	1281.400	10840.300	1280.100	10933.900	1294.300	10999.600	1298.200	11176.600
GR	1299.800	11371.100	1303.400	11666.300	1304.300	11885.900	1303.600	12201.500	.000	.000
NH	3.000	.060	9460.000	.030	10534.600	.040	11809.700	.000	.000	.000
ET	.000	.000	4.100	9351.000	10701.000	.000	.000	.000	.000	.000
X1	37.328	35.000	9388.600	10751.300	930.000	910.000	940.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1315.100	8386.300	1314.700	8704.000	1302.700	8724.700	1302.700	8783.800	1308.400	8795.800
GR	1309.100	8831.500	1301.200	8885.800	1301.700	9070.600	1304.900	9291.400	1291.000	9354.400
GR	1295.600	9371.200	1290.700	9388.600	1281.200	9443.200	1270.900	9460.000	1270.900	9650.800
GR	1273.100	9669.100	1279.400	9782.800	1280.100	9930.400	1280.700	10000.000	1280.000	10048.600
GR	1278.800	10127.200	1280.200	10237.300	1279.300	10336.600	1277.100	10429.000	1282.600	10534.600
GR	1284.800	10628.800	1285.300	10700.600	1290.200	10751.300	1289.300	10887.500	1291.100	10973.300
GR	1287.300	11027.000	1287.700	11234.900	1305.200	11279.600	1303.600	11537.000	1298.700	11809.700

NH	3.000	.060	9497.000	.030	10682.300	.040	11653.500	.000	.000	.000
ET	.000	.000	4.100	9450.000	10720.000	.000	.000	.000	.000	.000
X1	37.523	30.000	9368.700	10437.900	910.000	1020.000	930.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1316.200	8791.300	1310.500	8894.400	1308.200	8972.600	1311.800	8981.700	1312.100	9004.800
GR	1303.900	9016.600	1303.900	9071.400	1309.400	9084.000	1310.000	9116.500	1299.900	9197.800
GR	1300.500	9252.600	1297.400	9368.700	1287.800	9460.800	1273.000	9497.000	1273.300	9578.300
GR	1274.900	9594.500	1279.500	10000.000	1279.400	10367.100	1283.500	10437.900	1284.200	10682.300
GR	1295.000	10730.700	1296.200	10811.100	1295.800	10984.500	1310.000	11036.500	1311.800	11296.900
GR	1310.100	11383.800	1308.500	11391.100	1309.900	11432.300	1305.900	11611.700	1302.800	11653.500
QT	2.000	242500.000	242500.000	.000	.000	.000	.000	.000	.000	.000
NH	3.000	.060	9650.100	.030	10413.400	.040	11412.500	.000	.000	.000
ET	.000	.000	4.100	9561.400	10487.300	.000	.000	.000	.000	.000
X1	37.720	31.000	9561.400	10487.300	830.000	890.000	890.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1326.500	9123.300	1311.400	9184.800	1313.000	9230.900	1309.600	9254.000	1303.300	9264.200
GR	1303.300	9324.200	1310.300	9336.300	1311.300	9361.800	1300.300	9400.600	1297.300	9499.900
GR	1292.800	9534.400	1297.900	9561.400	1287.100	9617.100	1274.000	9650.100	1275.400	9708.300
GR	1277.600	9726.400	1278.300	9942.700	1279.000	10000.000	1279.500	10311.300	1275.800	10326.200
GR	1275.800	10413.400	1297.700	10487.300	1298.000	10606.700	1294.000	10652.700	1299.100	10715.200
GR	1298.900	10817.500	1296.500	10882.900	1313.100	10970.400	1313.200	11154.200	1313.500	11364.400
GR	1321.900	11412.500	.000	.000	.000	.000	.000	.000	.000	.000
NH	6.000	.070	9529.500	.035	10229.600	.070	10240.000	.030	10431.600	.070
NH	10615.000	.040	11385.100	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	9711.200	10615.000	.000	.000	.000	.000	.000
X1	37.898	35.000	9711.200	10615.000	880.000	950.000	940.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1376.900	9052.600	1372.700	9118.900	1337.600	9244.100	1309.500	9363.900	1310.900	9384.600
GR	1310.300	9393.800	1310.300	9453.900	1310.300	9464.400	1310.300	9488.900	1301.100	9529.500
GR	1288.500	9711.200	1280.300	9740.800	1281.400	9945.500	1277.700	9966.400	1278.100	10000.000
GR	1278.700	10229.600	1274.500	10240.000	1275.700	10431.600	1279.400	10463.200	1277.200	10526.500
GR	1282.500	10543.900	1283.600	10566.300	1299.200	10615.000	1299.700	10677.100	1293.800	10725.200
GR	1298.600	10757.900	1298.900	10822.800	1302.400	10944.300	1300.700	10982.600	1302.400	10994.800
GR	1303.000	11110.800	1308.300	11151.800	1311.700	11285.300	1312.700	11371.900	1315.100	11385.100
NH	5.000	.035	10000.000	.060	10210.300	.030	10438.000	.070	10753.600	.040
NH	10972.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	9700.000	10753.600	.000	.000	.000	.000	.000
X1	38.074	32.000	9875.800	10753.600	1020.000	970.000	980.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1328.100	9136.600	1320.200	9228.400	1319.900	9261.400	1313.600	9294.100	1313.600	9326.800
GR	1311.700	9339.400	1311.700	9397.000	1311.700	9406.000	1311.700	9426.100	1296.800	9460.000
GR	1300.600	9601.900	1296.800	9710.800	1287.400	9744.400	1286.200	9827.200	1287.400	9875.800
GR	1284.900	9946.600	1281.800	10000.000	1278.200	10078.600	1277.000	10101.100	1276.500	10193.500
GR	1276.100	10210.300	1276.100	10438.000	1280.800	10462.300	1277.100	10600.000	1284.100	10626.700
GR	1283.600	10643.200	1301.500	10753.600	1303.300	10825.300	1308.300	10837.900	1308.300	10856.500
GR	1312.300	10876.900	1314.500	10972.000	.000	.000	.000	.000	.000	.000

NH	5.000	.035	10000.000	.040	10239.100	.030	10313.500	.040	10595.500	.060
NH	10920.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	9800.000	10850.000	.000	.000	.000	.000	.000
X1	38.261	30.000	10141.900	10880.500	980.000	970.000	980.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1347.800	9076.300	1339.600	9116.500	1330.700	9227.500	1310.100	9262.300	1310.500	9280.600
GR	1309.600	9285.700	1309.600	9344.200	1309.600	9355.000	1309.600	9385.000	1303.600	9465.400
GR	1294.900	9513.700	1299.900	9548.500	1292.800	9688.300	1286.700	9758.800	1290.200	9834.400
GR	1290.200	10000.000	1291.900	10141.900	1288.400	10180.300	1274.200	10239.100	1274.200	10313.500
GR	1276.300	10330.000	1280.900	10461.700	1276.100	10520.200	1276.000	10595.500	1280.500	10623.400
GR	1284.300	10694.500	1294.700	10768.300	1297.900	10819.900	1311.500	10880.500	1312.300	10920.000
NH	5.000	.035	10000.000	.050	10319.800	.030	10534.600	.040	10808.500	.030
NH	11539.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	9750.000	10857.400	.000	.000	.000	.000	.000
X1	38.439	34.000	10000.000	10857.400	910.000	920.000	940.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1315.400	8974.600	1309.500	9129.400	1310.600	9182.200	1313.300	9202.300	1310.900	9209.800
GR	1311.100	9224.200	1310.200	9236.200	1310.200	9292.300	1310.200	9308.800	1310.200	9400.000
GR	1306.000	9493.900	1290.400	9579.400	1292.100	9686.200	1292.000	10000.000	1288.600	10275.700
GR	1283.500	10304.800	1276.400	10319.800	1276.400	10534.600	1284.900	10565.200	1285.300	10611.400
GR	1278.500	10629.100	1278.500	10661.800	1281.800	10682.800	1283.300	10808.500	1310.700	10857.400
GR	1310.700	10874.200	1303.000	10884.800	1303.000	10938.500	1314.500	10960.400	1314.500	11022.800
GR	1325.700	11044.400	1325.700	11268.200	1316.500	11371.700	1316.000	11539.000	.000	.000
NH	4.000	.035	10351.800	.040	10536.700	.030	10713.800	.065	10920.300	.000
ET	.000	.000	4.100	9600.000	10802.600	.000	.000	.000	.000	.000
X1	38.636	24.000	9635.200	10802.600	930.000	980.000	970.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1316.800	9011.100	1311.100	9205.100	1308.700	9336.800	1313.300	9355.800	1310.100	9365.400
GR	1311.100	9380.400	1310.100	9390.000	1310.100	9450.600	1310.100	9459.600	1310.100	9488.400
GR	1296.200	9631.600	1294.000	9635.200	1295.800	9825.600	1293.800	9974.800	1290.200	10000.000
GR	1289.900	10027.000	1285.600	10351.800	1283.100	10433.700	1285.300	10476.100	1277.200	10536.700
GR	1277.200	10713.800	1309.600	10802.600	1314.800	10877.400	1315.400	10920.300	.000	.000
ET	2.000	245000.000	245000.000	.000	.000	.000	.000	.000	.000	.000
NH	4.000	.035	10287.200	.040	10437.500	.030	10491.000	.040	10754.300	.000
X1	38.822	20.000	9851.800	10647.400	790.000	1020.000	970.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1311.500	9445.100	1309.800	9504.800	1301.100	9543.400	1293.000	9692.700	1288.700	9715.200
GR	1292.700	9851.800	1287.300	9922.400	1286.300	10000.000	1284.400	10024.900	1283.400	10194.700
GR	1281.900	10287.200	1279.600	10339.300	1276.600	10437.500	1276.600	10491.000	1278.500	10522.900
GR	1284.100	10595.500	1292.100	10647.400	1292.100	10684.300	1318.800	10733.700	1319.500	10754.300
NH	4.000	.035	10000.000	.040	10175.300	.030	10247.500	.040	10800.200	.000
X1	39.009	25.000	9458.700	10672.900	800.000	1000.000	950.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1319.400	9105.900	1315.200	9244.400	1316.100	9314.200	1310.800	9337.000	1310.900	9394.700
GR	1315.000	9458.700	1309.100	9505.900	1294.600	9597.200	1288.500	9637.700	1284.300	9759.100
GR	1284.700	9923.200	1285.600	10000.000	1282.700	10156.900	1279.500	10175.300	1279.500	10247.500
GR	1283.100	10300.600	1285.700	10433.400	1284.000	10496.100	1287.900	10539.600	1286.900	10569.600

GR	1313.800	10633.000	1314.500	10672.900	1310.300	10681.400	1310.500	10760.500	1340.700	10800.200
NC	.035	.035	.035	.000	.000	.000	.000	.000	.000	.000
X1	39.098	31.000	9451.900	10657.400	400.000	530.000	480.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1323.000	9143.800	1322.300	9317.900	1307.900	9374.800	1307.900	9432.100	1311.900	9451.900
GR	1311.100	9470.500	1288.800	9504.800	1289.100	9545.000	1292.900	9557.500	1289.500	9584.300
GR	1287.300	9645.000	1282.100	9734.300	1285.200	10000.000	1283.500	10129.900	1283.800	10198.800
GR	1291.300	10269.300	1288.800	10329.700	1289.100	10343.300	1294.600	10370.300	1287.700	10422.100
GR	1281.700	10531.000	1286.200	10549.900	1286.100	10614.700	1313.500	10657.400	1312.000	10690.600
GR	1306.600	10723.500	1306.700	10770.700	1312.600	10820.400	1313.500	11032.300	1313.100	11230.900
GR	1311.600	11675.700	.000	.000	.000	.000	.000	.000	.000	.000
X1	39.116	23.000	9460.800	10602.000	90.000	90.000	90.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1323.000	9135.000	1324.200	9320.500	1307.300	9374.900	1307.700	9436.000	1320.600	9460.800
GR	1296.500	9479.200	1293.500	9589.400	1287.100	9837.600	1286.800	10000.000	1287.300	10067.600
GR	1288.100	10277.300	1298.500	10356.900	1291.500	10408.400	1287.500	10498.000	1303.000	10521.200
GR	1299.000	10527.100	1299.400	10588.100	1318.900	10602.000	1306.800	10659.500	1306.800	10722.800
GR	1312.000	10761.200	1312.000	11160.300	1312.200	11606.200	.000	.000	.000	.000
LJ	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

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

*PROF 1

CCHV=     .300 CEHV=     .500
*SECNO 28.358
          SALT RIVER HEC2 RUN WITHOUT GILBERT ROAD BRIDGE
    28.36     18.31  1217.31       .00  1217.31  1218.87      1.56       .00       .00  1218.00
  225000.        0.  225000.        0.        0.   22469.       0.        0.        0.   1220.00
      .00       .00     10.01       .00      .025      .025      .025      .000  1199.00  5001.92
  .000657        0.        0.        0.         0         0         0       .00  1328.67  6330.59

FLOW DISTRIBUTION FOR SECNO=     28.36          CWSEL=   1217.31

STA=    5002.    6340.
  PER Q=     100.0
   AREA=  22468.8
    VEL=     10.0

CCHV=     .100 CEHV=     .300
1490 NH CARD USED
*SECNO 28.646

3301 HV CHANGED MORE THAN HVINS

    28.65     20.83  1218.03       .00       .00  1220.68      2.65      1.48       .33  1213.70
  225000.    37595.   171889.    15516.     4225.    12130.     2042.      718.       55.   1213.00
      .03      8.90     14.17      7.60      .025      .025      .025      .000  1197.20  9318.62
  .001579     1650.     1520.     1450.         2         0         0       .00  1811.74 11130.36

FLOW DISTRIBUTION FOR SECNO=     28.65          CWSEL=   1218.03

STA=    9319.    9502.    9637.    9946.   10770.   11085.   11130.
  PER Q=       4.0      6.4      6.3     76.4      6.5       .4
   AREA=    1095.8   1327.4   1802.2  12129.5   1885.7    155.8
    VEL=       8.3     10.8      7.8     14.2      7.8      5.4

*SECNO 28.831

3301 HV CHANGED MORE THAN HVINS

    28.83     21.50  1220.50       .00       .00  1221.67      1.17       .85       .15  1204.70
  225000.   129616.    59965.    35419.    14934.     6012.     5944.     1227.       99.   1207.10
      .06      8.68      9.97      5.96      .025      .025      .025      .000  1199.00  9201.81
  .000542      950.     1000.     1010.         3         0         0       .00  2044.90 11246.71
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     28.83          CWSEL=   1220.50

STA=    9202.     9280.     9450.     9516.     9860.    10000.    10186.    10496.    10651.    10993.    11123.    11247.
  PER Q=      2.5      17.4       4.0      14.7       8.1      10.9      26.7       7.0       6.7       1.3        .7
   AREA=    840.6    3655.3    1038.0    4386.5    2143.7    2869.4    6011.8    2046.4    2729.3     698.4     470.2
    VEL=      6.6      10.7       8.6       7.6       8.5       8.6      10.0       7.7       5.5       4.2       3.4

*SECNO 29.017
    29.02     21.89   1220.99       .00       .00   1222.35      1.36       .62       .06   1209.40
  225000.    62916.   138618.    23467.     8150.    13192.     4319.     1837.      148.   1215.30
      .10      7.72     10.51      5.43      .025      .025      .025      .000   1199.10   9105.07
  .000698     1000.     1020.     1020.         2         0         0       .00   2216.23  11321.30

FLOW DISTRIBUTION FOR SECNO=     29.02          CWSEL=   1220.99

STA=    9105.     9179.     9445.     9862.    10620.    10637.    10693.    10750.    11321.
  PER Q=      1.4      11.8      14.7      61.6        .3       1.4       1.9       6.8
   AREA=    542.3    3214.9    4392.3   13191.9     115.7     482.8     580.7    3139.5
    VEL=      5.9       8.3       7.5      10.5       5.6       6.6       7.4       4.9

*SECNO 29.221
    29.22     19.99   1221.49       .00       .00   1223.34      1.85       .84       .15   1208.00
  225000.    72300.   122774.    29926.     6608.    10585.     3986.     2369.      193.   1213.50
      .12     10.94     11.60      7.51      .025      .025      .025      .000   1201.50   9187.10
  .001054      950.     1020.      970.         2         0         0       .00   1738.57  10925.68

FLOW DISTRIBUTION FOR SECNO=     29.22          CWSEL=   1221.49

STA=    9187.     9234.     9409.     9685.    10403.    10756.    10900.    10926.
  PER Q=      1.1      12.6      18.4      54.6       9.0       4.1        .3
   AREA=    345.3    2503.1    3759.7   10584.6    2700.5    1170.1     115.4
    VEL=      7.1      11.4      11.0      11.6       7.5       7.8       5.1

*SECNO 29.473

3265 DIVIDED FLOW

    29.47     20.05   1223.05       .00       .00   1224.44      1.38      1.05       .05   1206.70
  225000.    38548.   122749.    63702.     3885.    11649.     9922.     2980.      245.   1216.00
      .16      9.92     10.54      6.42      .025      .025      .025      .000   1203.00   8852.45
  .000779     1030.     1300.      970.         2         0         0       .00   2380.71  11422.33
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     29.47          CWSEL=   1223.05

STA=    8852.    8887.    8932.    9151.    9370.   10097.   11008.   11300.   11422.
  PER Q=       .1       .1       .6     16.3     54.6     17.5      9.1      1.7
   AREA=     69.5     92.0    229.8   3493.8  11649.1   6437.4   2758.8    725.5
    VEL=      2.6      2.7      6.0     10.5     10.5      6.1      7.4      5.4

*SECNO 29.676

3301 HV CHANGED MORE THAN HVINS

    29.68    25.88  1224.28      .00      .00  1225.06      .78      .56      .06  1214.90
  225000.   30432.   52908.  141661.    3583.    5774.   24648.    3675.     308.   1210.80
      .20     8.49     9.16     5.75     .025     .025     .025     .000  1198.40  8820.15
  .000409     920.    1060.    1020.        2        0        0      .00  3017.26 11837.41


FLOW DISTRIBUTION FOR SECNO=     29.68          CWSEL=   1224.28

STA=    8820.    8958.    9013.    9284.    9616.    9869.    9994.   10883.   11121.   11446.   11592.   11669.   11837.
  PER Q=     10.8      2.7     23.5     12.6      9.4      3.6     10.2      4.9      7.2      3.8      4.6      6.8
   AREA=   2748.2    835.0   5774.4   4288.2   3216.3   1372.5   5584.7   2134.9   3027.4   1486.0   1303.4   2234.2
    VEL=      8.9      7.3      9.2      6.6      6.6      5.9      4.1      5.2      5.3      5.7      7.9      6.8

*SECNO 29.981

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    29.98    15.69  1224.79  1224.79      .00  1228.68     3.89     1.31      .93  1222.90
  225000.    9091.  115236.  100673.     915.    7087.    6380.    4411.     382.   1225.00
      .22     9.93    16.26    15.78     .025     .025     .025     .000  1209.10  8930.89
  .004356    1530.    1600.    1180.       20       14        0      .00  1900.99 10833.33


FLOW DISTRIBUTION FOR SECNO=     29.98          CWSEL=   1224.79

STA=    8931.    8944.    9055.    9163.   10000.   10041.   10104.   10378.   10459.   10590.   10774.   10788.   10833.
  PER Q=       .1      2.3      1.7     51.2       .7      2.9     14.6      8.8      9.2      6.9       .9       .9
   AREA=     22.0    492.4    400.7   7087.1    156.0    446.3   2131.3    967.3   1203.9   1153.6    121.0    200.6
    VEL=      5.5     10.6      9.4     16.3      9.7     14.4     15.4     20.4     17.2     13.4     16.5     10.4
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

#SECNO 29.982

3301 HV CHANGED MORE THAN HVINS

    29.98     16.51   1225.61       .00       .00   1228.78      3.16       .02       .07   1222.90
   225000.   10506.   114050.   100444.     1107.     7773.     7064.     4413.      382.   1225.00
      .22      9.49     14.67     14.22      .025      .025      .025      .000   1209.10   8927.75
  .003139        5.        5.        5.         6         0         0       .00   1909.84  10837.59


FLOW DISTRIBUTION FOR SECNO=     29.98          CWSEL=   1225.61

STA=    8928.    8944.    9055.    9163.   10000.   10041.   10104.   10378.   10459.   10590.   10774.   10788.   10838.
  PER Q=      .1      2.6      2.0     50.7       .8      2.9     14.6      8.3      9.0      7.1       .9      1.0
   AREA=    34.0    583.3    489.7   7772.8    189.2    498.3   2355.5   1034.3   1311.2   1303.9    132.4    239.7
    VEL=     5.4     10.1      9.1     14.7      9.2     13.2     14.0     18.1     15.4     12.3     14.9      9.4

#SECNO 30.194

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    30.19     20.82   1229.62   1229.62       .00   1233.80      4.17      3.54       .30   1236.30
   225000.        0.   194896.    30104.        0.    11275.     3495.     4814.      431.   1228.50
      .24       .00     17.29      8.61      .025      .025      .025      .000   1208.80   9058.87
  .003093     1120.     1120.     1170.         5        11         0       .00   1818.86  10877.73


FLOW DISTRIBUTION FOR SECNO=     30.19          CWSEL=   1229.62

STA=    9059.   10000.   10024.   10274.   10495.   10640.   10736.   10876.
  PER Q=     86.6       .2      5.7      3.2      1.9      1.6       .7
   AREA=  11275.4     76.1   1296.4    865.8    540.6    419.4    296.6
    VEL=     17.3      7.1      9.9      8.2      7.9      8.8      5.5

#SECNO 30.195

3301 HV CHANGED MORE THAN HVINS

    30.19     21.86   1230.66   1229.74       .00   1233.90      3.24       .01       .09   1236.30
   225000.        0.   188157.    36843.        0.    12255.     4415.     4815.      431.   1228.50
      .24       .00     15.35      8.34      .025      .025      .025      .000   1208.80   9054.70
  .002197        5.        5.        5.        18         5         0       .00   1840.12  10894.82
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     30.19          CWSEL=   1230.66

STA=    9055.   10000.   10024.   10274.   10495.   10640.   10736.   10876.   10895.
  PER Q=      83.6       .3      6.5      3.9      2.4      2.0      1.2       .0
   AREA=  12254.7    100.6   1556.6   1095.0    691.4    519.0    441.7     11.1
    VEL=      15.4      7.2      9.4      8.1      7.9      8.6      6.0      1.9

*SECNO 30.458

3301 HV CHANGED MORE THAN HVINS

    30.46     19.32  1234.02       .00       .00  1236.07      2.05      2.05       .12  1239.10
  227500.        0.  227500.        0.        0.   19783.        0.     5371.      479.   1233.70
     .27       .00     11.50       .58      .025      .025      .025      .000  1214.70  9347.92
  .001129     1280.     1370.     1030.         2         0         0       .00  1430.80 10778.71

FLOW DISTRIBUTION FOR SECNO=     30.46          CWSEL=   1234.02

STA=    9348.   10777.
  PER Q=     100.0
   AREA=  19782.8
    VEL=      11.5

*SECNO 30.815

3265 DIVIDED FLOW

    30.82     20.05  1236.05       .00       .00  1238.18      2.12      2.08       .02  1236.50
  227500.     1361.  226139.        0.      359.   19287.        0.     6198.      540.   1251.60
     .32      3.79     11.72       .00      .025      .025      .025      .000  1216.00  9407.83
  .001148     1350.     1830.     1390.         3         0         0       .00  1525.79 10943.09

FLOW DISTRIBUTION FOR SECNO=     30.82          CWSEL=   1236.05

STA=    9408.    9471.    9514.    9563.   11136.
  PER Q=        .1       .3       .1     99.4
   AREA=      98.8    158.9    101.6  19287.4
    VEL=       2.7      4.8      3.3     11.7

*SECNO 31.028
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    31.03     25.03  1237.73  1237.73       .00  1242.28      4.54      1.84       .73  1228.00
  227500.    74128.   139348.    14024.     6430.     7139.      876.     6625.      580.   1212.70
      .33     11.53     19.52     16.00      .025      .025      .025      .000  1212.70   9098.87
  .002702     1060.     1100.     1100.        20        11         0       .00  1644.54  10842.21


FLOW DISTRIBUTION FOR SECNO=     31.03          CWSEL=   1237.73

STA=    9099.     9660.     9882.    10127.    10280.    10323.    10772.    10842.
  PER Q=      7.7       5.3       6.2      10.4       3.0      61.3       6.2
   AREA=   1763.0    1234.0    1372.6    1600.0     460.5    7139.4     876.4
    VEL=      9.9       9.8      10.2      14.8      15.0      19.5      16.0

*SECNO 31.029

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    31.03     26.13  1238.83       .00       .00  1242.39      3.55       .01       .10  1228.00
  227500.    81113.   132964.    13423.     7685.     7632.      955.     6627.      580.   1212.70
      .33     10.55     17.42     14.06      .025      .025      .025      .000  1212.70   9084.49
  .001969        5.        5.        5.         6         0         0       .00  1679.88  10845.28


FLOW DISTRIBUTION FOR SECNO=     31.03          CWSEL=   1238.83

STA=    9084.     9660.     9882.    10127.    10280.    10323.    10772.    10845.
  PER Q=      9.0       6.1       7.0      10.5       3.0      58.4       5.9
   AREA=   2291.2    1477.8    1641.3    1767.3     507.8    7632.3     954.8
    VEL=      9.0       9.4       9.7      13.5      13.6      17.4      14.1
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    RANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 31.301

3301 HV CHANGED MORE THAN HVINS

    31.30     22.75   1242.85       .00       .00   1243.90      1.05      1.26       .25   1225.60
   227500.   57985.   168093.     1422.     9362.    19081.      258.     7320.      647.   1220.70
      .38      6.19      8.81      5.52      .025      .025      .025      .000   1220.10   8021.15
   .000537    1190.     1440.     1380.         2         0         0       .00   2869.61  10890.75


FLOW DISTRIBUTION FOR SECNO=     31.30          CWSEL=   1242.85

STA=     8021.     8306.     8706.     8867.     9104.     9155.     9276.     9384.     9690.    10868.    10891.
  PER Q=       .0       .4      1.1       3.4        .6       1.5       2.7      15.7      73.9        .6
   AREA=     86.0    540.6    703.0    1574.8     315.1     750.0    1009.4    4383.4   19081.4     257.6
    VEL=       .6      1.7      3.7       4.9       4.6       4.7       6.1       8.1       8.8       5.5

*SECNO 31.522

3265 DIVIDED FLOW

    31.52     19.34   1243.74       .00       .00   1244.62       .88       .71       .02   1244.50
   227500.   47637.   179863.        0.     7554.    22994.        0.     8103.      729.   1264.30
      .42      6.31      7.82       .00      .025      .025      .025      .000   1224.40   8045.09
   .000711    1120.     1160.     1650.         2         0         0       .00   3434.72  11516.09


FLOW DISTRIBUTION FOR SECNO=     31.52          CWSEL=   1243.74

STA=     8045.     8273.     8335.     8484.     8775.     9393.    11539.
  PER Q=      6.8       3.7       4.8       4.0       1.7      79.1
   AREA=   2116.6     892.8    1472.4    1729.9    1342.8   22993.6
    VEL=      7.3       9.4       7.4       5.2       2.8       7.8

*SECNO 31.725

3265 DIVIDED FLOW

    31.73     15.11   1244.61       .00       .00   1245.52       .91       .89       .01   1246.20
   227500.   47249.   120483.    59768.     6965.    14296.     9042.     8865.      826.   1237.10
      .46      6.78      8.43      6.61      .025      .025      .025      .000   1229.50   7464.34
   .000945     870.     1070.     1530.         2         0         0       .00   4339.46  12545.06
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     31.73          CWSEL=   1244.61

STA=    7464.     8169.     8561.     8698.     8809.     9339.    11020.    11202.    11625.    11826.    11976.    12219.    12545.
  PER Q=      3.4       4.8       7.3       3.2       2.1      53.0       3.6       5.1       4.3       5.0       6.4       1.9
   AREA=   1296.9    1864.6    1700.9     919.8    1182.3  14295.7    1242.2    2133.9    1438.5    1407.8    1956.5     863.1
    VEL=      5.9       5.9       9.8       7.9       4.0       8.4       6.6       5.4       6.8       8.1       7.4       5.0

*SECNO 31.896

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    31.90     17.40   1245.50       .00       .00   1246.99      1.49      1.30       .17   1246.10
  227500.    76511.   146461.     4527.     6985.    15816.     1108.     9467.      921.   1246.30
      .49     10.95      9.26      4.09      .025      .025      .025      .000   1228.10   8297.77
  .002057      920.      980.     1000.         2         0         0       .00   4197.49  13122.76


FLOW DISTRIBUTION FOR SECNO=     31.90          CWSEL=   1245.50

STA=    8298.     8592.     8752.     8906.     9014.     9151.     9525.    12146.    13123.
  PER Q=      9.4       6.9       3.1       5.9       7.7        .6      64.4       2.0
   AREA=   2059.7    1381.3     828.0    1074.0    1387.0     255.4   15816.1    1108.2
    VEL=     10.4      11.4       8.5      12.5      12.6       5.7       9.3       4.1

*SECNO 32.126

3265 DIVIDED FLOW

    32.13     13.95   1247.85       .00       .00   1249.64      1.79      2.56       .09   1248.40
  227500.        0.   218474.     9026.        1.    20005.     1891.    10062.      1028.   1248.50
      .52       .26     10.92      4.77      .025      .025      .025      .000   1233.90   8092.41
  .002496     1150.     1130.     1100.         3         0         0       .00   4092.72  14030.04


FLOW DISTRIBUTION FOR SECNO=     32.13          CWSEL=   1247.85

STA=    8092.    11727.    12517.    12764.    13081.    13119.    13790.    13943.    14011.    14030.
  PER Q=     96.0        .1        .4       1.5        .1        .0        .8        .8        .1
   AREA=  20005.3     168.4     271.1     697.4      60.7      31.3     352.2     259.9      49.6
    VEL=     10.9       2.0       3.2       5.0       4.0       3.0       5.2       7.3       5.5
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 32.127

3265 DIVIDED FLOW

    32.13     13.97  1247.87       .00       .00  1249.66      1.79       .01       .00  1248.40
  227500.        0.  218409.     9091.        1.   20038.     1905.    10064.     1028.   1248.50
      .52       .29     10.90     4.77      .025      .025      .025      .000   1233.90  8088.63
  .002483        5.        5.       5.         0         0         0       .00   4106.34 14030.09

FLOW DISTRIBUTION FOR SECNO=     32.13          CWSEL=   1247.87

STA=    8089.   11727.   12517.   12764.   13081.   13119.   13790.   13943.   14011.   14030.
  PER Q=     96.0       .2       .4      1.5       .1       .0       .8       .8       .1
   AREA=  20038.1    172.7    273.9    701.1     61.2     31.6    354.0    260.7     49.8
    VEL=     10.9      2.0      3.2      5.0      4.0      3.0      5.2      7.3      5.4

*SECNO 32.296

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    32.30     14.83  1250.43       .00       .00  1251.54      1.11      1.81       .07  1245.90
  227500.   116517.    85753.   25230.   12933.    10094.     5231.    10588.     1133.   1248.80
      .55      9.01      8.50     4.82      .025      .025      .025      .000   1235.60  7298.77
  .001636      940.      900.     890.         2         0         0       .00   5938.25 13300.42

FLOW DISTRIBUTION FOR SECNO=     32.30          CWSEL=   1250.43

STA=    7299.    7984.    8200.    8258.    8430.    8637.    9086.    9343.    9519.    9694.   11211.   12435.   13160.
  PER Q=      3.5     10.3      3.0      6.2      8.7      7.5      3.9      5.4      2.8     37.7      4.6      5.3
   AREA=   1195.3   2124.6    600.3   1421.9   1874.3   2262.8   1267.7   1313.7    872.9  10093.9   2487.7   2261.8
    VEL=      6.7     11.0     11.4      9.9     10.5      7.5      7.0      9.3      7.2      8.5      4.2      5.3
STA=   13160.   13300.
  PER Q=      1.2
   AREA=    481.6
    VEL=      5.8

1490 NH CARD USED
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 32.465

3265 DIVIDED FLOW

    32.47     13.53   1251.83       .00       .00   1252.99      1.16      1.44       .02   1247.90
  227500.   139903.    70036.    17561.    15379.     8070.     5944.    11186.     1256.   1251.40
     .58      9.10      8.68      2.95      .025      .025      .040      .000   1238.30   7702.90
  .001544     910.      900.      890.         3         0         0       .00   5953.60  14771.09

FLOW DISTRIBUTION FOR SECNO=     32.47          CWSEL=   1251.83

STA=    7703.    7868.    7934.    7983.    8055.    8238.    8393.    8476.    8635.    8759.    8976.    9249.    9515.
  PER Q=      4.1      3.4      3.1      4.6      7.9      3.6      3.7      5.9      6.6      4.4      3.5      5.1
   AREA=   1047.5    695.9    579.7    856.6   1724.9   1010.3    792.5   1370.6   1324.4   1282.2   1226.5   1533.1
    VEL=      8.9     11.2     12.1     12.1     10.4      8.2     10.5      9.8     11.3      7.7      6.4      7.6
STA=    9515.    9806.    9926.   11161.   12682.   13237.   14771.
  PER Q=      4.1      1.6     30.8      3.9      3.4       .4
   AREA=   1377.4    557.1   8070.0   3252.5   2150.1    541.5
    VEL=      6.7      6.5      8.7      2.7      3.6      1.7

CCHV=    .300 CEHV=    .500
1490 NH CARD USED
*SECNO 32.658

3265 DIVIDED FLOW

    32.66     12.21   1253.41       .00       .00   1254.58      1.17      1.58       .00   1249.60
  230000.    48531.  169731.    11738.     6000.    18787.     2296.    11901.     1387.   1244.30
     .62      8.09      9.03      5.11      .025      .024      .026      .000   1241.20   7505.50
  .001335    1220.     1020.     1070.         3         0         0       .00   4455.94  12743.88

FLOW DISTRIBUTION FOR SECNO=     32.66          CWSEL=   1253.41

STA=    7506.    7883.    8072.    8204.    8441.   11144.   11301.   12744.
  PER Q=      6.5      7.1      4.0      3.5     73.8      3.9      1.2
   AREA=   1993.1   1718.4   1064.9   1223.6  18786.6   1112.2   1184.2
    VEL=      7.5      9.5      8.7      6.6      9.0      8.0      2.4

CCHV=    .100 CEHV=    .300
1490 NH CARD USED
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 32.862

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    32.86    15.48  1255.88  1255.88       .00  1257.21      1.32      1.69       .05  1255.80
  230000.   51880.  164120.   14000.     6211.   16806.     2828.    12526.     1521.   1248.10
     .65     8.35     9.77     4.95      .025      .023      .028      .000   1240.40   6586.39
  .002076    970.    1040.    1100.        20        11         0       .00   6756.22  14781.55


FLOW DISTRIBUTION FOR SECNO=     32.86          CWSEL=   1255.88

STA=    6586.    7714.    7960.    8240.    8370.    8494.   11353.   11545.   14782.
  PER Q=      3.2      4.1      5.9      7.0      2.3     71.4      4.4      1.7
   AREA=   1601.6   1200.7   1569.4   1290.3    549.0  16806.1   1130.1   1697.8
    VEL=      4.6      7.8      8.6     12.5      9.8      9.8      8.9      2.4

1490 NH CARD USED
*SECNO 32.863

3265 DIVIDED FLOW

    32.86    15.50  1255.90       .00       .00  1257.22      1.32       .01       .00  1255.80
  230000.   51900.  164059.   14041.     6231.   16834.     2850.    12529.     1522.   1248.10
     .65     8.33     9.75     4.93      .025      .023      .028      .000   1240.40   6586.21
  .002065       5.       5.       5.         0         0         0       .00   6766.97  14781.58


FLOW DISTRIBUTION FOR SECNO=     32.86          CWSEL=   1255.90

STA=    6586.    7714.    7960.    8240.    8370.    8494.   11353.   11545.   14782.
  PER Q=      3.2      4.1      5.9      7.0      2.3     71.3      4.4      1.8
   AREA=   1613.2   1203.2   1572.3   1291.6    550.3  16834.4   1132.1   1718.0
    VEL=      4.6      7.8      8.6     12.5      9.7      9.7      8.8      2.3

1490 NH CARD USED
*SECNO 33.023

3265 DIVIDED FLOW
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1258.30 ELREA=     1245.90

    33.02     18.20  1257.70       .00       .00  1259.43      1.73      2.09       .12  1258.30
  230000.        0.  184128.   45872.        0.   17714.     4087.    12999.     1636.   1245.90
      .67       .00     10.39     11.22      .025      .025      .026      .000  1239.50  8282.64
  .002930      870.      850.      880.         0         0         0       .00  4766.38 14404.20

FLOW DISTRIBUTION FOR SECNO=     33.02          CWSEL=   1257.70

STA=    8283.   11328.   11419.   11470.   11523.   11602.   14404.
  PER Q=      80.1       7.0       3.8       3.4       3.6       2.2
   AREA=  17713.6    1007.3     554.5     524.4     636.4    1364.6
    VEL=      10.4      16.0      15.8      14.8      12.9       3.7

1490 NH CARD USED
*SECNO 33.205

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

    33.21     19.45  1260.35       .00       .00  1261.07       .72      1.54       .10  1249.00
  230000.    26634.  149207.   54158.     3192.   21983.     8973.    13609.     1761.   1251.60
      .71      8.34      6.79      6.04      .025      .025      .026      .000  1240.90  7559.48
  .001027      950.      960.      920.         2         0         0       .00  6798.35 15005.78

FLOW DISTRIBUTION FOR SECNO=     33.21          CWSEL=   1260.35

STA=    7559.    8081.   11346.   11468.   11673.   11822.   14837.   15006.
  PER Q=      11.6      64.9       4.4       9.4       6.4       3.3        .1
   AREA=   3192.3   21983.4    1178.6    2277.2    1589.4    3778.8     149.3
    VEL=       8.3       6.8       8.6       9.5       9.3       2.0       1.3

1490 NH CARD USED
*SECNO 33.385

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1265.10 ELREA=     1257.30

    33.38     18.50  1261.40       .00       .00  1261.95       .55       .86       .02  1265.10
  230000.        0.  166420.   63580.        0.   26241.    13240.    14393.     1913.   1257.30
      .75       .00      6.34      4.80      .025      .025      .028      .000  1242.90  7755.19
  .000835      960.      920.      940.         2         0         0       .00  7408.25 15163.43
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   RANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     33.38          CWSEL=   1261.40

STA=    7755.   11448.   11623.   11863.   11954.   13093.   14733.   15163.
  PER Q=     72.4      6.4      9.6      3.5      3.6      3.6       .9
   AREA=  26241.3   1797.4   2625.0    965.2   3061.0   3811.5    980.0
    VEL=      6.3      8.2      8.4      8.3      2.7      2.2      2.1

1490 NH CARD USED
*SECNO 33.557

3265 DIVIDED FLOW

    33.56    18.64  1262.14      .00      .00  1262.85      .71      .86      .05  1244.50
  230000.    1436.  174103.   54461.     200.   24734.    9313.   15154.    2064.   1252.00
      .79     7.18     7.04     5.85     .025     .025     .027     .000  1243.50  7729.73
  .001099     880.     890.     920.        2        0        0      .00  7173.11 15334.54

FLOW DISTRIBUTION FOR SECNO=     33.56          CWSEL=   1262.14

STA=    7730.    7752.   11414.   11655.   11776.   14612.   15335.
  PER Q=       .6     75.7     12.3      6.1      3.1      2.2
   AREA=    199.9  24733.5   2801.5   1395.9   3292.0   1824.0
    VEL=      7.2      7.0     10.1     10.0      2.2      2.7

1490 NH CARD USED
*SECNO 33.726

3265 DIVIDED FLOW

    33.73    19.18  1263.08      .00      .00  1263.98      .91     1.07      .06  1265.90
  232500.       0.  208370.   24130.       0.   26076.    7294.   15877.    2216.   1249.50
      .82      .00     7.99     3.31     .025     .025     .035     .000  1243.90  7801.48
  .001212     890.     930.     940.        2        0        0      .00  6978.59 15066.89

FLOW DISTRIBUTION FOR SECNO=     33.73          CWSEL=   1263.08

STA=    7801.   11233.   12127.   14609.   15051.   15067.
  PER Q=     89.6      3.0      4.2      3.1       .0
   AREA=  26076.0   1603.0   3788.3   1870.7     32.4
    VEL=      8.0      4.4      2.6      3.9      2.4
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 33.892

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    33.89     18.29  1263.99       .00       .00  1265.56      1.58      1.38       .20  1247.60
  232500.     3498.  224643.     4359.      333.   22135.     1043.    16455.     2335.   1255.50
     .85     10.50     10.15      4.18      .025      .025      .026      .000   1245.70   8028.53
  .002087      870.      880.      910.         2         0         0       .00   4636.24  13757.24


FLOW DISTRIBUTION FOR SECNO=      33.89          CWSEL=   1263.99

STA=     8029.     8069.    11130.    13757.
  PER Q=       1.5      96.6       1.9
   AREA=     333.3   22134.8    1043.1
    VEL=      10.5      10.1       4.2

1490 NH CARD USED
*SECNO 34.091

3265 DIVIDED FLOW

    34.09     18.01  1266.01       .00       .00  1267.11      1.10      1.50       .05  1248.00
  232500.    52313.  169826.    10361.     5306.   20940.     2104.    17065.     2431.   1260.50
     .88      9.86      8.11      4.92      .025      .025      .026      .000   1248.00   7634.80
  .001078      900.     1050.      910.         2         0         0       .00   3672.08  12111.41


FLOW DISTRIBUTION FOR SECNO=      34.09          CWSEL=   1266.01

STA=     7635.     7945.     8380.     8454.    10925.    11123.    12111.
  PER Q=       6.7       8.0       7.7      73.0       3.2       1.3
   AREA=    2182.9    1785.3    1338.2   20940.0    1164.1     939.7
    VEL=       7.2      10.5      13.4       8.1       6.4       3.1

1490 NH CARD USED
*SECNO 34.271
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    34.27     18.30  1266.30  1266.30       .00  1269.61      3.31      1.59       .66  1275.50
  232500.        0.  232453.      47.        0.   15912.       35.    17514.     2493.   1266.00
      .90       .00     14.61     1.37      .025      .021      .035      .000   1248.00   8743.58
  .003600      910.      880.     870.         4         5         0       .00   2495.52  11709.31


FLOW DISTRIBUTION FOR SECNO=     34.27          CWSEL=   1266.30

STA=     8744.    11150.    11709.
  PER Q=     100.0        .0
   AREA=  15912.1      34.6
    VEL=     14.6       1.4

1490 NH CARD USED
*SECNO 34.272

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
    34.27     18.93  1266.93  1266.16       .00  1269.68      2.75       .02       .06  1275.50
  232500.        0.  232294.     206.        0.   17445.      115.    17516.     2494.   1266.00
      .90       .00     13.32     1.79      .025      .022      .035      .000   1248.00   8742.15
  .002833        5.        5.       5.       20         5         0       .00   2572.74  11740.48


FLOW DISTRIBUTION FOR SECNO=     34.27          CWSEL=   1266.93

STA=     8742.    11150.    11740.
  PER Q=      99.9        .1
   AREA=  17445.4     115.4
    VEL=     13.3       1.8
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EO        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 34.453

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

    34.45     20.38   1269.88   1268.52       .00   1272.12      2.24      2.39       .05   1254.80
  232500.     3280.   225207.     4013.      301.    18559.     1401.    17907.     2564.    1271.50
      .92     10.91     12.13      2.86      .025      .024      .036      .000   1249.50   8880.72
  .002492      900.      900.      900.         4         5         0       .00   4288.01  14209.14

FLOW DISTRIBUTION FOR SECNO=      34.45          CWSEL=    1269.88

STA=     8881.     8921.    11282.    14209.
  PER Q=       1.4      96.9       1.7
   AREA=     300.6   18558.8    1400.9
    VEL=      10.9      12.1       2.9

1490 NH CARD USED
*SECNO 34.642

3265 DIVIDED FLOW

    34.64     24.29   1272.19       .00       .00   1274.27      2.08      2.13       .02   1252.90
  235000.     3466.   224933.     6601.      334.    19155.     1918.    18396.     2663.    1272.80
      .94     10.38     11.74      3.44      .025      .024      .036      .000   1247.90   9060.47
  .001777     1000.     1020.     1070.         2         0         0       .00   3930.65  14707.36

FLOW DISTRIBUTION FOR SECNO=      34.64          CWSEL=    1272.19

STA=     9060.     9095.    11179.    14707.
  PER Q=       1.5      95.7       2.8
   AREA=     334.0   19155.1    1918.0
    VEL=      10.4      11.7       3.4

1490 NH CARD USED
*SECNO 34.856
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     COKAR     TOPWID      ENDST


3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    34.86     22.45  1274.35       .00       .00  1275.68      1.33      1.33       .08  1255.40
  235000.     9028.  223102.     2870.     1438.   23744.     1511.    18981.     2752.   1274.40
      .98      6.28      9.40      1.90      .040      .022      .039      .000  1251.90  8856.40
  .000934     1160.     1060.     1000.         2         0         0       .00  3544.05 14261.51


FLOW DISTRIBUTION FOR SECNO=     34.86          CWSEL=   1274.35

STA=     8856.     9127.    11497.    14262.
  PER Q=       3.8      94.9       1.2
   AREA=    1438.0   23744.2    1511.5
    VEL=       6.3       9.4       1.9

1490 NH CARD USED
*SECNO 35.136

3265 DIVIDED FLOW

    35.14     19.35  1275.65       .00       .00  1277.04      1.38      1.34       .02  1269.50
  235000.    73923.  153697.     7380.     8271.   15569.     3022.    19824.     2851.   1273.90
     1.02      8.94      9.87      2.44      .025      .025      .031      .000  1256.30  8843.88
  .000956     1250.     1480.      690.         2         0         0       .00  4080.23 13949.01


FLOW DISTRIBUTION FOR SECNO=     35.14          CWSEL=   1275.65

STA=     8844.     8956.     9088.     9238.     9331.     9470.     9646.    10892.    13914.    13949.
  PER Q=       5.9       6.6       7.9       3.9       3.7       3.4      65.4       3.1        .0
   AREA=    1417.2    1595.3    1884.3    1004.5    1160.0    1209.5   15569.2    2987.7      34.1
    VEL=       9.9       9.7       9.9       9.0       7.6       6.6       9.9       2.5        .9

1490 NH CARD USED
*SECNO 35.297

3265 DIVIDED FLOW

    35.30     20.55  1276.45       .00       .00  1278.11      1.66       .99       .08  1266.80
  235000.   128757.  103437.     2806.    15038.    8405.     1304.    20399.     2926.   1274.00
     1.05      8.56     12.31      2.15      .025      .025      .032      .000  1255.90  8715.74
  .001091     1200.      800.      670.         2         0         0       .00  3294.70 12040.30
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     35.30          CWSEL=   1276.45

STA=    8716.    8918.    9120.    9435.    9652.   10000.   10292.   10436.   10970.   12040.
  PER Q=      7.0      7.8     13.4      5.1      5.5     10.9      5.1     44.0      1.2
   AREA=   1892.2   1986.0   3335.6   1588.0   2022.2   2846.5   1367.0   8405.1   1304.0
    VEL=      8.7      9.2      9.5      7.5      6.3      9.0      8.8     12.3      2.2

1490 NH CARD USED
*SECNO 35.480

3265 DIVIDED FLOW

    35.48    21.44  1277.74      .00      .00  1279.07     1.33      .93      .03  1269.00
  235000.  103684.    97155.   34161.   14023.    8767.    3942.   20983.    2991.   1265.90
     1.08     7.39    11.08     8.67     .025     .025     .025     .000  1256.30  8633.34
  .000824    1060.     950.     720.        2        0        0      .00  2625.74 11680.70

FLOW DISTRIBUTION FOR SECNO=     35.48          CWSEL=   1277.74

STA=    8633.    8971.    9322.    9549.    9691.   10000.   10355.   10499.   11027.   11169.   11304.   11681.
  PER Q=      3.2     16.2      5.2      3.4      3.8      9.1      3.2     41.3      6.6      6.9      1.0
   AREA=   1028.5   4240.9   1801.1   1151.6   1671.2   3012.0   1117.4   8766.6   1719.4   1736.9    485.5
    VEL=      7.4      9.0      6.8      6.9      5.3      7.1      6.7     11.1      9.0      9.3      5.0

1490 NH CARD USED
*SECNO 35.661

3265 DIVIDED FLOW

    35.66    20.56  1278.56      .00      .00  1280.07     1.52      .95      .06  1275.50
  237500.   85283.   113135.   39082.   10223.   10427.    3886.   21557.    3051.   1269.60
     1.10     8.34    10.85    10.06     .025     .025     .025     .000  1258.00  8524.89
  .001173    1020.     950.     900.        2        0        0      .00  2706.36 11409.80

FLOW DISTRIBUTION FOR SECNO=     35.66          CWSEL=   1278.56

STA=    8525.    9033.    9104.    9262.    9438.    9671.    9883.   10209.   11055.   11239.   11394.   11410.
  PER Q=      3.9      3.2     11.7      6.3      4.3      3.0      3.4     47.6      8.3      8.0       .1
   AREA=   1431.1    768.4   2292.2   1656.2   1478.2   1146.1   1451.0  10426.7   1983.7   1814.2     88.2
    VEL=      6.4      9.9     12.1      9.1      7.0      6.3      5.6     10.9      9.9     10.5      3.5
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOBR   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 36.011

3265 DIVIDED FLOW


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1275.50 ELREA=     1287.40

    36.01     20.22  1280.72       .00       .00  1282.69      1.97      2.48       .13  1275.50
  237500.    61416.  176084.        0.     6746.    14778.        0.    22518.     3153.   1287.40
     1.15      9.10     11.92       .00      .025      .026      .025      .000  1260.50  8236.51
  .001602     1810.     1820.     1840.         2         0         0       .00  2198.61 10845.10


FLOW DISTRIBUTION FOR SECNO=     36.01          CWSEL=   1280.72

STA=    8237.     8810.     8919.     9206.     9342.     9581.     9619.    10863.
  PER Q=      3.6       4.0       4.9       5.8       6.7        .8      74.1
   AREA=    960.2     943.6    1556.5    1288.1    1769.0     228.9  14777.9
    VEL=      8.9      10.1       7.5      10.7       9.1       7.9      11.9

1490 NH CARD USED
*SECNO 36.203

3265 DIVIDED FLOW

    36.20     19.90  1282.00       .00       .00  1284.38      2.38      1.57       .12  1281.80
  237500.    36100.  201400.        0.     4373.    15505.        0.    22955.     3198.   1288.00
     1.17      8.26     12.99       .00      .025      .026      .025      .000  1262.10  8146.74
  .001816      920.      920.      930.         0         0         0       .00  2084.87 10754.13


FLOW DISTRIBUTION FOR SECNO=     36.20          CWSEL=   1282.00

STA=    8147.     9099.     9324.     9496.    10769.
  PER Q=      8.9       5.3       1.0      84.8
   AREA=   2533.1    1437.6     402.0   15505.0
    VEL=      8.4       8.7       5.8      13.0

1490 NH CARD USED
*SECNO 36.403
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    36.40     18.24   1283.54       .00       .00   1286.89      3.35      2.22       .29   1283.90
  237500.    31778.   205722.        0.     3563.    13374.        0.    23389.     3247.    1287.00
     1.19      8.92     15.38       .00      .025      .025      .025      .000   1265.30   8461.60
  .002627     1050.     1020.     1030.         2         0         0       .00   1976.83  10754.79


FLOW DISTRIBUTION FOR SECNO=     36.40          CWSEL=   1283.54

STA=    8462.     9013.     9325.     9561.    10762.
  PER Q=      6.5       6.0        .9      86.6
   AREA=   1529.2    1593.1     441.1   13373.6
    VEL=     10.1       9.0       4.6      15.4

1490 NH CARD USED
*SECNO 36.595

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    36.60     22.93   1285.53       .00       .00   1289.80      4.27      2.64       .28   1280.00
  237500.    48054.   189446.        0.     5106.    10552.        0.    23757.     3288.    1294.80
     1.21      9.41     17.95       .00      .026      .026      .025      .000   1262.60   8782.12
  .002766     1020.      970.      970.         2         0         0       .00   1675.33  10642.39


FLOW DISTRIBUTION FOR SECNO=     36.60          CWSEL=   1285.53

STA=    8782.     9224.     9429.     9696.     9915.    10667.
  PER Q=      5.3       4.2       5.8       5.0      79.8
   AREA=   1397.5    1064.4    1435.9    1208.2   10551.8
    VEL=      8.9       9.4       9.6       9.8      18.0

1490 NH CARD USED
*SECNO 36.775
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3265 DIVIDED FLOW

    36.78     22.30   1288.00       .00       .00   1292.23      4.23      2.43       .00   1280.70
  240000.    58294.   181707.        0.     5694.    10064.        0.    24101.     3323.    1302.30
     1.22     10.24     18.06       .00      .026      .026      .025      .000   1265.70   9081.53
  .002370      980.      940.      940.         2         0         0       .00   1450.94  10639.01


FLOW DISTRIBUTION FOR SECNO=      36.78          CWSEL=    1288.00

STA=     9082.     9420.     9521.     9799.    10000.    10039.    10680.
  PER Q=       4.4       3.5       8.7       6.3       1.4      75.7
   AREA=    1263.2     754.3    1965.0    1414.9     296.5   10064.0
    VEL=       8.4      11.0      10.6      10.6      11.2      18.1

1490 NH CARD USED
*SECNO 36.953

3301 HV CHANGED MORE THAN HVINS

    36.95     23.41   1291.81       .00       .00   1293.69      1.88      1.22       .24   1278.40
  240000.    54332.   185668.        0.     6175.    16072.        0.    24502.     3354.    1305.00
     1.25      8.80     11.55       .00      .026      .025      .025      .000   1268.40   9294.88
  .000851      920.      920.      920.         3         0         0       .00   1499.65  10794.54


FLOW DISTRIBUTION FOR SECNO=      36.95          CWSEL=    1291.81

STA=     9295.     9606.     9876.    10832.
  PER Q=       9.1      13.5      77.4
   AREA=    2745.5    3429.0   16072.1
    VEL=       8.0       9.4      11.6

1490 NH CARD USED
*SECNO 37.152

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1307.20 ELREA=     1288.30

    37.15     20.32   1292.82       .00       .00   1294.70      1.88      1.00       .00   1307.20
  240000.        0.   222742.     17258.        0.    19704.     3024.    25006.     3388.    1288.30
     1.27       .00     11.30      5.71      .026      .030      .040      .000   1272.50   9454.36
  .001258      930.      990.      910.         2         0         0       .00   1538.39  10992.75
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CURAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     37.15          CWSEL=   1292.82

STA=    9454.   10632.   10840.   10934.   10993.
  PER Q=      92.8      3.2      3.3       .7
   AREA=  19703.9   1520.0   1129.7    374.3
    VEL=      11.3      5.1      6.9      4.5

1490 NH CARD USED
*SECNO 37.328

3265 DIVIDED FLOW

    37.33    23.18  1294.08      .00      .00  1295.95     1.87     1.25      .00  1290.70
  240000.      73.  228714.   11213.      59.   20426.    2602.   25499.    3425.   1290.20
     1.29     1.24    11.20     4.31     .060     .030     .040     .000  1270.90   9340.47
  .001410     930.     940.     910.        2        0        0      .00  1899.72  11251.18

FLOW DISTRIBUTION FOR SECNO=     37.33          CWSEL=   1294.08

STA=    9340.    9389.   10751.   11235.   11251.
  PER Q=       .0     95.3      4.6       .1
   AREA=      58.9  20426.0   2549.7     51.9
    VEL=       1.2     11.2      4.3      2.9

1490 NH CARD USED
*SECNO 37.523
    37.52    22.16  1295.16      .00      .00  1297.46     2.30     1.38      .13  1297.40
  240000.       0.  211726.   28274.       0.   16942.    3033.   25964.    3460.   1283.50
     1.32      .00    12.50     9.32     .060     .030     .030     .000  1273.00   9390.22
  .001540     910.     930.    1020.        2        0        0      .00  1351.00  10741.22

FLOW DISTRIBUTION FOR SECNO=     37.52          CWSEL=   1295.16

STA=    9390.   10438.   10682.   10731.
  PER Q=      88.2     11.3       .5
   AREA=  16942.2   2763.4    269.0
    VEL=      12.5      9.8      4.5

1490 NH CARD USED
*SECNO 37.720
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CURAR     TOPWID      ENDST


3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    37.72     21.67  1295.67       .00       .00  1299.81      4.13      1.80       .55  1297.90
  242500.       89.  242353.       58.       54.   14854.       34.   26321.     3484.   1297.70
     1.33      1.65     16.32      1.74      .060      .031      .040      .000  1274.00  9512.30
  .002767      830.      890.      890.         2         0         0       .00   984.97 10673.32


FLOW DISTRIBUTION FOR SECNO=     37.72          CWSEL=   1295.67

STA=    9512.     9550.   10487.   10673.
  PER Q=        .0      99.9        .0
   AREA=      53.8  14853.8      33.6
    VEL=       1.6      16.3       1.7

1490 NH CARD USED
*SECNO 37.898

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    37.90     24.98  1299.48       .00       .00  1302.03      2.55      2.07       .16  1288.50
  242500.     4854.  236798.      848.      869.   18286.      297.   26691.     3508.   1299.20
     1.35      5.59     12.95      2.86      .035      .036      .040      .000  1274.50  9552.89
  .001793      880.      940.      950.         3         0         0       .00  1260.65 10842.87


FLOW DISTRIBUTION FOR SECNO=     37.90          CWSEL=   1299.48

STA=    9553.     9711.   10615.   10843.
  PER Q=       2.0      97.6        .3
   AREA=     869.0  18285.9     296.5
    VEL=       5.6      12.9       2.9

1490 NH CARD USED
*SECNO 38.074
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       IWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3301 HV CHANGED MORE THAN HVINS

    38.07     25.83  1301.93       .00       .00  1303.88      1.95      1.79       .06   1287.40
  242500.    28217.  214281.        2.     3157.   18655.        4.    27157.     3537.    1301.50
     1.38      8.94     11.49       .57      .035      .043      .040      .000   1276.10   9448.33
  .001849     1020.      980.      970.         2         0         0       .00   1322.27  10770.60

FLOW DISTRIBUTION FOR SECNO=     38.07          CWSEL=   1301.93

STA=    9448.    9827.    9876.   10754.   10771.
  PER Q=      8.3      3.4     88.4       .0
   AREA=   2421.9    735.2  18654.8      3.6
    VEL=      8.3     11.2     11.5       .6

1490 NH CARD USED
*SECNO 38.261
    38.26     29.49  1303.69       .00       .00  1305.56      1.86      1.67       .01   1291.90
  242500.    65854.  176646.        0.     7628.   15092.        0.    27658.     3568.    1311.50
     1.40      8.63     11.70       .00      .036      .039      .040      .000   1274.20   9464.07
  .001568      980.      980.      970.         1         0         0       .00   1381.67  10845.74

FLOW DISTRIBUTION FOR SECNO=     38.26          CWSEL=   1303.69

STA=    9464.    9688.    9759.    9834.   10000.   10142.   10881.
  PER Q=      3.6      3.9      4.9      8.8      5.9     72.8
   AREA=   1461.5    983.4   1152.8   2235.4   1794.9  15092.1
    VEL=      6.0      9.7     10.3      9.5      8.0     11.7

1490 NH CARD USED
*SECNO 38.439

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1292.00 ELREA=     1310.70

    38.44     28.79  1305.19       .00       .00  1306.82      1.63      1.24       .02   1292.00
  242500.    48726.  193774.        0.     6213.   17991.        0.    28160.     3597.    1310.70
     1.43      7.84     10.77       .00      .035      .036      .040      .000   1276.40   9498.32
  .001149      910.      940.      920.         2         0         0       .00   1349.25  10847.57
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     38.44          CWSEL=   1305.19

STA=    9498.    9686.   10000.   10857.
  PER Q=       6.5      13.6      79.9
   AREA=    2088.9    4124.4   17991.0
    VEL=       7.5       8.0      10.8

1490 NH CARD USED
*SECNO 38.636
    38.64     28.97  1306.17       .00       .00  1308.16      1.98      1.23       .11  1294.00
  242500.     2664.  239836.        0.      552.   21133.        0.    28668.     3626.   1309.60
     1.45      4.82     11.35       .00      .035      .034      .040      .000   1277.20   9528.83
  .001412      930.      970.      980.         2         0         0       .00   1264.38  10793.21


FLOW DISTRIBUTION FOR SECNO=     38.64          CWSEL=   1306.17

STA=    9529.    9635.   10803.
  PER Q=       1.1      98.9
   AREA=     552.4   21132.9
    VEL=       4.8      11.3

1490 NH CARD USED
*SECNO 38.822
    38.82     31.08  1307.68       .00       .00  1309.27      1.59      1.07       .04  1292.70
  245000.    32960.  207096.     4943.      4382.   19642.      800.    29176.     3652.   1292.10
     1.48      7.52     10.54      6.18      .035      .036      .040      .000   1276.60   9514.20
  .000915      790.      970.     1020.         2         0         0       .00   1198.93  10713.13


FLOW DISTRIBUTION FOR SECNO=     38.82          CWSEL=   1307.68

STA=    9514.    9693.    9852.   10647.   10713.
  PER Q=       4.1       9.3      84.5       2.0
   AREA=    1683.5    2698.5   19642.4     799.6
    VEL=       6.0       8.5      10.5       6.2

1490 NH CARD USED
*SECNO 39.009

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1315.00 ELREA=     1314.50

    39.01     29.12  1308.62       .00       .00  1310.17      1.55       .89       .00  1315.00
  245000.        0.  245000.        0.        0.   24551.        0.    29707.     3677.   1314.50
     1.50       .00      9.98       .00      .035      .037      .040      .000   1279.50   9508.93
  .000979      800.      950.     1000.         2         0         0       .00   1111.86  10620.79
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     39.01          CWSEL=   1308.62

STA=    9509.   10673.
  PER Q=    100.0
   AREA=  24551.4
    VEL=     10.0

*SECNO 39.098

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1311.90 ELREA=     1313.50

    39.10     27.58  1309.28       .00       .00  1310.60      1.32       .41       .02  1311.90
  245000.        0.  245000.        0.        0.   26581.        0.   29989.     3689.   1313.50
     1.52       .00      9.22       .00      .035      .035      .035      .000  1281.70  9473.30
  .000752      400.      480.      530.         2         0         0       .00  1177.52 10650.82

FLOW DISTRIBUTION FOR SECNO=     39.10          CWSEL=   1309.28

STA=    9473.   10657.
  PER Q=    100.0
   AREA=  26580.9
    VEL=      9.2

*SECNO 39.116

3301 HV CHANGED MORE THAN HVINS

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1320.60 ELREA=     1318.90

    39.12     21.89  1308.69       .00       .00  1310.99      2.30       .10       .29  1320.60
  245000.        0.  245000.        0.        0.   20151.        0.   30037.     3692.   1318.90
     1.52       .00     12.16       .00      .035      .035      .035      .000  1286.80  9469.89
  .001787       90.       90.       90.         2         0         0       .00  1124.84 10594.73

FLOW DISTRIBUTION FOR SECNO=     39.12          CWSEL=   1308.69

STA=    9470.   10602.
  PER Q=    100.0
   AREA=  20150.9
    VEL=     12.2
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THIS RUN EXECUTED 10/03/88 08:18:49

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
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T1 SALT RIVER FLOOD INSURANCE STUDY, COUNTRY CLUB TO GRANITE REEF
T2 FOR FLOOD CONTROL DISTRICT OF MARICOPA COUNTY 1986
T3 SALT RIVER FLDWY 100 YEAR BY J.MISCHLER, BURGESS AND NIPLE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	3.	0.	0.	.000000	.00	.0	0.	1218.310	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

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

*PROF 2

CCHV=     .300 CEHV=     .500
*SECNO 28.358
3280 CROSS SECTION      28.36 EXTENDED        .31 FEET

    28.36     19.31  1218.31       .00  1218.31  1219.70      1.39       .00       .00  1218.00
  225000.        0.  225000.        0.        0.   23800.        0.        0.        0.   1220.00
      .00       .00      9.45       .00      .025      .025      .025      .000  1199.00  5000.00
  .000546        0.        0.        0.         0         0         0       .00  1334.08  6334.08

FLOW DISTRIBUTION FOR SECNO=      28.36          CWSEL=   1218.31

STA=     5000.     6340.
  PER Q=     100.0
   AREA=  23800.5
    VEL=       9.5

CCHV=     .100 CEHV=     .300
1490 NH CARD USED
*SECNO 28.646

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=     9300.0   10900.0  TYPE=      1  TARGET=     1600.000
    28.65     21.51  1218.71       .00  1218.03  1221.36      2.65      1.28       .38  1213.70
  225000.   41810.  177396.     5795.     4656.   12693.      793.      738.       52.   1213.00
      .03      8.98     13.98      7.31      .025      .025      .025      .000  1197.20  9312.15
  .001446    1650.     1520.     1450.         2         0         0       .00  1587.85 10900.00

FLOW DISTRIBUTION FOR SECNO=      28.65          CWSEL=   1218.71

STA=     9312.     9502.     9637.     9946.    10770.    10900.
  PER Q=       4.6       6.8       7.2      78.8       2.6
   AREA=    1223.4    1419.7    2013.2   12693.4     792.8
    VEL=       8.4      10.8       8.0      14.0       7.3

*SECNO 28.831
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AKOB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    INC       ICONT     CORAR     TOPWID      ENDST


3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=     9200.0   10900.0  TYPE=      1  TARGET=     1700.000
    28.83     22.11  1221.11       .00  1220.50  1222.28      1.17       .78       .15  1204.70
  225000.  132890.   60777.    31334.   15534.    6201.     4612.     1238.       89.   1207.10
      .06      8.55      9.80     6.79      .025      .025      .025      .000  1199.00  9200.00
  .000502     950.     1000.    1010.         3         0         0       .00  1700.00 10900.00


FLOW DISTRIBUTION FOR SECNO=      28.83          CWSEL=   1221.11

STA=     9200.     9280.     9450.     9516.     9860.    10000.    10186.    10496.    10651.    10900.
  PER Q=      2.6      17.5       4.1      15.3       8.3      11.2      27.0       7.3       6.6
   AREA=    888.9    3758.9    1078.2    4596.2    2229.1    2982.5    6200.8    2141.2    2471.0
    VEL=      6.5      10.5       8.5       7.5       8.4       8.5       9.8       7.6       6.1

*SECNO 29.017

3470 ENCROACHMENT STATIONS=     9100.0   10750.0  TYPE=      1  TARGET=     1650.000
    29.02     22.35  1221.45       .00  1220.99  1223.00      1.55       .61       .11  1209.40
  225000.   68756.  147793.     8451.    8501.   13544.     1240.     1813.      127.   1215.30
      .09      8.09     10.91     6.82      .025      .025      .025      .000  1199.10  9102.74
  .000726    1000.     1020.    1020.         2         0         0       .00  1647.26 10750.00


FLOW DISTRIBUTION FOR SECNO=      29.02          CWSEL=   1221.45

STA=     9103.     9179.     9445.     9862.    10620.    10637.    10693.    10750.
  PER Q=      1.6      12.8      16.2      65.7        .3       1.6       1.9
   AREA=    577.1    3338.3    4585.6   13543.6     123.8     508.9     606.9
    VEL=      6.1       8.7       7.9      10.9       5.9       7.0       6.9

*SECNO 29.221

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=     9400.0   10900.0  TYPE=      1  TARGET=     1500.000
    29.22     20.34  1221.84       .00  1221.49  1224.19      2.35       .95       .24  1208.00
  225000.   48773.  141628.    34598.    3985.   10840.     4048.     2294.      163.   1213.50
      .12     12.24     13.07     8.55      .025      .025      .025      .000  1201.50  9400.00
  .001295     950.     1020.     970.         2         0         0       .00  1500.00 10900.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     29.22          CWSEL=   1221.84

STA=    9400.    9409.    9685.   10403.   10756.   10900.
  PER Q=      .4     21.3     62.9     10.7      4.6
   AREA=   127.5   3857.9 10840.2   2826.3   1221.3
    VEL=     6.7     12.4     13.1      8.6      8.5

*SECNO 29.473

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9150.0   11300.0  TYPE=      1  TARGET=    2150.000
    29.47    21.07  1224.07      .00  1223.05  1225.33     1.26     1.03      .11  1206.70
  225000.   36742.  122664.   65594.    3727.   12385.   10415.    2893.     210.   1216.00
      .15     9.86     9.90     6.30     .025     .025     .025     .000  1203.00  9150.00
  .000634    1030.    1300.     970.        3        0        0      .00  2150.00 11300.00


FLOW DISTRIBUTION FOR SECNO=     29.47          CWSEL=   1224.07

STA=    9150.    9370.   10097.   11008.   11300.
  PER Q=    16.3     54.5     19.7      9.4
   AREA=  3726.9  12385.3   7360.5   3054.0
    VEL=     9.9      9.9      6.0      7.0

*SECNO 29.676

3470 ENCROACHMENT STATIONS=    8850.0   11270.0  TYPE=      1  TARGET=    2420.000
    29.68    26.40  1224.80      .00  1224.28  1225.96     1.16      .62      .01  1214.90
  225000.   30474.   65817.  128709.    3177.    5916.   19027.    3533.     263.   1210.80
      .19     9.59    11.13     6.76     .025     .025     .025     .000  1198.40  8850.00
  .000583     920.    1060.    1020.        2        0        0      .00  2420.00 11270.00


FLOW DISTRIBUTION FOR SECNO=     29.68          CWSEL=   1224.80

STA=    8850.    8958.    9013.    9284.    9616.    9869.    9994.   10000.   10120.   10883.   11121.   11168.   11270.
  PER Q=    10.1      3.4     29.3     16.1     12.0      4.7       .2      2.0     11.7      6.5      1.4      2.8
   AREA=  2314.1    863.3   5916.1   4461.1   3348.1   1438.0     53.3    842.4   5152.4   2258.9    468.0   1004.4
    VEL=     9.8      8.9     11.1      8.1      8.0      7.3      6.4      5.3      5.1      6.4      6.7      6.2
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 29.981

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

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

3470 ENCROACHMENT STATIONS=    9400.0   10820.0  TYPE=      1  TARGET=     1420.000
    29.98     15.83  1224.93  1224.93  1224.79  1229.61      4.68      1.70      1.05100000.00
  225000.        0.  124893.  100107.        0.     6664.     6476.     4165.      320.   1225.00
      .21       .00     18.74     15.46      .025      .025      .025      .000  1209.10  9400.00
  .004067    1530.     1600.     1180.        20        14         0       .00  1419.50 10820.00


FLOW DISTRIBUTION FOR SECNO=     29.98          CWSEL=   1224.93

STA=    9400.   10000.   10041.   10104.   10378.   10459.   10590.   10774.   10788.   10820.
  PER Q=     55.5       .7      2.9     14.5      8.6      9.1      6.9       .9      1.0
   AREA=   6664.1    161.5    455.1   2169.1    978.6   1222.0   1178.9    122.9    187.9
    VEL=     18.7      9.5     14.1     15.1     19.8     16.8     13.1     16.1     11.5

*SECNO 29.982

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9400.0   10820.0  TYPE=      1  TARGET=     1420.000
    29.98     16.78  1225.88      .00  1225.61  1229.71      3.83       .02       .09100000.00
  225000.        0.  122257.  102743.        0.     7237.     7259.     4167.      320.   1225.00
      .21       .00     16.89     14.15      .025      .025      .025      .000  1209.10  9400.00
  .002967        5.        5.        5.         8         0         0       .00  1420.00 10820.00


FLOW DISTRIBUTION FOR SECNO=     29.98          CWSEL=   1225.88

STA=    9400.   10000.   10041.   10104.   10378.   10459.   10590.   10774.   10788.   10820.
  PER Q=     54.3       .8      3.0     15.0      8.4      9.1      7.4       .9      1.0
   AREA=   7237.3    200.3    515.7   2430.5   1056.7   1347.1   1354.1    136.3    218.7
    VEL=     16.9      9.3     13.1     13.9     17.8     15.3     12.3     14.8     10.7
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   RANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 30.194
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    9054.0   10800.0  TYPE=      1  TARGET=    1746.000
    30.19     20.76  1229.56  1229.56  1229.62  1233.82     4.26      3.48      .13100000.00
  225000.        0.  195472.   29528.       0.   11214.    3351.     4546.      362.   1228.50
     .23       .00     17.43     8.81     .025     .025     .025      .000  1208.80  9059.13
  .003168    1120.    1120.    1170.        3       11        0       .00  1740.87 10800.00

FLOW DISTRIBUTION FOR SECNO=     30.19          CWSEL=   1229.56

STA=    9059.   10000.   10024.   10274.   10495.   10640.   10736.   10800.
  PER Q=     86.9       .2      5.6      3.1      1.9      1.6       .6
   AREA=  11214.0     74.5   1280.1    851.5    531.1    413.1    201.1
    VEL=     17.4      7.1      9.9      8.2      7.9      8.9      7.0

*SECNO 30.195

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    9054.0   10800.0  TYPE=      1  TARGET=    1746.000
    30.19     21.79  1230.59  1229.67  1230.66  1233.92     3.33       .01       .09100000.00
  225000.        0.  189181.   35819.       0.   12189.    4179.     4548.      362.   1228.50
     .23       .00     15.52     8.57     .025     .025     .025      .000  1208.80  9054.98
  .002261       5.       5.       5.       14        5        0       .00  1745.02 10800.00

FLOW DISTRIBUTION FOR SECNO=     30.19          CWSEL=   1230.59

STA=    9055.   10000.   10024.   10274.   10495.   10640.   10736.   10800.
  PER Q=     84.1       .3      6.5      3.9      2.4      2.0       .8
   AREA=  12189.2     98.9   1539.2   1079.7    681.3    512.3    267.3
    VEL=     15.5      7.3      9.5      8.1      7.9      8.6      7.1

*SECNO 30.458

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    9350.0   10775.0  TYPE=      1  TARGET=    1425.000
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

   30.46     19.37  1234.07       .00  1234.02  1236.11      2.04      2.06       .13100000.00
 227500.        0.  227500.        0.        0.  19854.        0.     5102.      409. 100000.00
     .26       .00     11.46       .00      .025     .025      .025      .000  1214.70  9350.00
 .001112     1280.     1370.     1030.         2        0         0       .00  1425.00 10775.00

FLOW DISTRIBUTION FOR SECNO=     30.46          CWSEL=   1234.07

STA=    9350.   10777.
  PER Q=    100.0
   AREA=  19854.2
    VEL=     11.5

*SECNO 30.815

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=    9310.0   10800.0  TYPE=      1  TARGET=    1490.000
   30.82     19.96  1235.96       .00  1236.05  1238.35      2.39      2.13       .10  1236.50
 227500.     1331.  226169.        0.      345.  18195.        0.     5906.      467. 100000.00
     .30      3.86     12.43       .00      .025     .025      .025      .000  1216.00  9409.64
 .001223     1350.     1830.     1390.         2        0         0       .00  1378.95 10800.00

FLOW DISTRIBUTION FOR SECNO=     30.82          CWSEL=   1235.96

STA=    9410.    9471.    9514.    9562.   11136.
  PER Q=       .1       .3       .1     99.4
   AREA=     93.2    154.9     97.2  18195.2
    VEL=      2.8      4.8      3.3     12.4

*SECNO 31.028

3301 HV CHANGED MORE THAN HVINS

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

3470 ENCROACHMENT STATIONS=    9410.0   10845.0  TYPE=      1  TARGET=    1435.000
   31.03     24.83  1237.53  1237.53  1237.73  1242.40      4.88      1.97       .75  1228.00
 227500.    71902.  141375.    14224.     5903.     7046.     862.     6312.      502.  1212.70
     .32     12.18     20.06     16.50      .025      .025      .025      .000  1212.70  9418.26
 .002905     1060.     1100.     1100.        20        11         0       .00  1423.37 10841.63
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    RANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     31.03          CWSEL=   1237.53

STA=    9418.    9660.    9882.   10127.   10280.   10323.   10772.   10842.
  PER Q=      6.9      5.2      6.0     10.4      3.0     62.1      6.3
   AREA=   1373.5   1188.0   1321.8   1568.4    451.6   7046.3    861.9
    VEL=     11.5      9.9     10.4     15.1     15.3     20.1     16.5

*SECNO 31.029

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9410.0   10845.0  TYPE=      1  TARGET=    1435.000
    31.03    25.97  1238.67      .00  1238.83  1242.52     3.85      .01       .10  1228.00
  227500.   78340.  135491.   13669.    6937.    7559.     943.    6313.      502.   1212.70
      .32    11.29    17.92    14.50     .025     .025     .025     .000  1212.70  9413.56
  .002112       5.       5.       5.        8        0        0      .00  1431.26 10844.82


FLOW DISTRIBUTION FOR SECNO=     31.03          CWSEL=   1238.67

STA=    9414.    9660.    9882.   10127.   10280.   10323.   10772.   10845.
  PER Q=      7.7      6.0      7.0     10.6      3.1     59.6      6.0
   AREA=   1651.6   1441.4   1601.2   1742.4    500.7   7558.8    942.9
    VEL=     10.7      9.5      9.9     13.9     14.0     17.9     14.5

*SECNO 31.301

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    8770.0   10890.0  TYPE=      1  TARGET=    2120.000
    31.30    22.92  1243.02      .00  1242.85  1244.07     1.06     1.27       .28  1225.60
  227500.   57193.  168867.    1440.    8676.   19274.     261.    6989.      555.   1220.70
      .37     6.59     8.76     5.52     .025     .025     .025     .000  1220.10  8770.00
  .000524    1190.    1440.    1380.        2        0        0      .00  2120.00 10890.00


FLOW DISTRIBUTION FOR SECNO=     31.30          CWSEL=   1243.02

STA=    8770.    8867.    9104.    9155.    9276.    9384.    9690.   10868.   10890.
  PER Q=       .9      3.5       .7      1.6      2.7     15.8     74.2       .6
   AREA=    509.1   1613.5    323.4    769.7   1027.1   4433.4  19274.0    261.0
    VEL=      4.0      4.9      4.7      4.7      6.1      8.1      8.8      5.5
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     COKAR     TOPWID      ENDST

*SECNO 31.522

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=     8250.0    11450.0  TYPE=      1  TARGET=     3200.000
    31.52     19.38  1243.78      .00  1243.74  1244.83     1.05       .76       .00  1244.50
  227500.   37751.  189749.       0.    5789.   22271.       0.     7733.      625. 100000.00
     .40      6.52      8.52      .00      .025      .025     .025      .000  1224.40  8250.00
  .000848    1120.     1160.    1650.         3         0        0       .00  3165.26 11450.00

FLOW DISTRIBUTION FOR SECNO=     31.52          CWSEL=   1243.78

STA=    8250.     8335.     8402.     8603.     8809.     9395.    11539.
  PER Q=      5.1       3.2       3.6       3.2       1.6      83.4
   AREA=   1210.4     797.3    1326.9    1237.8    1217.0   22270.6
    VEL=      9.5       9.0       6.2       5.8       3.0       8.5

*SECNO 31.725

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=     8230.0    11950.0  TYPE=      1  TARGET=     3720.000
    31.73     15.24  1244.74      .00  1244.61  1245.95     1.21      1.07       .05  1246.20
  227500.   44795.  137666.   45038.    5618.   14489.    6136.     8407.      706.  1237.10
     .44      7.97      9.50     7.34      .025      .025     .025      .000  1229.50  8230.00
  .001183     870.     1070.    1530.         2         0        0       .00  3428.43 11950.00

FLOW DISTRIBUTION FOR SECNO=     31.73          CWSEL=   1244.74

STA=    8230.     8561.     8698.     8809.     9340.    11020.    11202.    11420.    11739.    11895.    11950.
  PER Q=      5.2       8.4       3.6       2.5      60.5       4.1       3.4       4.9       5.2       2.1
   AREA=   1717.9    1719.1     934.6    1245.8   14488.5    1266.6    1208.1    1737.1    1364.5     559.4
    VEL=      6.9      11.1       8.9       4.6       9.5       7.4       6.4       6.4       8.7       8.7

*SECNO 31.896

3265 DIVIDED FLOW
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3470 ENCROACHMENT STATIONS=    8300.0   12000.0  TYPE=      1  TARGET=    3700.000
    31.90     17.88  1245.98      .00  1245.50  1247.35     1.38      1.35       .05  1246.10
  227500.    75994.  151506.       0.     7474.   16797.       0.     8967.      781. 100000.00
      .47     10.17     9.02      .00      .025     .025     .025      .000  1228.10  8300.00
  .001676      920.     980.    1000.        2        0        0       .00  3422.10 12000.00


FLOW DISTRIBUTION FOR SECNO=     31.90          CWSEL=   1245.98

STA=    8300.    8592.    8752.    8906.    9014.    9151.    9535.   12146.
  PER Q=      9.4      6.8      3.2      5.7      7.5       .7     66.6
   AREA=   2197.5   1457.0    901.1   1125.0   1451.6    342.1  16797.4
    VEL=      9.7     10.6      8.1     11.6     11.8      5.0      9.0

*SECNO 32.126

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    8500.0   11600.0  TYPE=      1  TARGET=    3100.000
    32.13     13.96  1247.86      .00  1247.85  1249.91     2.05      2.35       .20100000.00
  227500.        0.  227500.       0.        0.   19784.       0.     9540.      861. 100000.00
      .49       .00    11.50      .00      .025     .025     .025      .000  1233.90  8500.00
  .002642     1150.    1130.    1100.        2        0        0       .00  2697.96 11600.00


FLOW DISTRIBUTION FOR SECNO=     32.13          CWSEL=   1247.86

STA=    8500.   11727.
  PER Q=    100.0
   AREA=  19783.8
    VEL=     11.5

*SECNO 32.127

3265 DIVIDED FLOW


3470 ENCROACHMENT STATIONS=    8500.0   11600.0  TYPE=      1  TARGET=    3100.000
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CURAR     TOPWID      ENDST

   32.13     13.98   1247.88       .00   1247.87   1249.92      2.05       .01       .00100000.00
  227500.       0.   227500.        0.        0.   19808.        0.     9543.      861. 100000.00
     .49       .00     11.49       .00      .025      .025      .025      .000   1233.90  8500.00
  .002634       5.        5.        5.         0         0         0       .00   2699.34 11600.00


FLOW DISTRIBUTION FOR SECNO=     32.13          CWSEL=   1247.88

STA=    8500.   11727.
  PER Q=    100.0
   AREA=  19807.6
    VEL=     11.5

*SECNO 32.296

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    7900.0   11600.0  TYPE=      1  TARGET=    3700.000
    32.30     14.93   1250.53       .00   1250.43   1252.07      1.54      2.10       .05   1245.90
  227500.   128088.    97876.     1536.    12417.    10247.      488.     9992.      928.   1248.80
     .52     10.32      9.55      3.15      .025      .025      .025      .000   1235.60   7900.00
  .002027      940.      900.      890.         2         0         0       .00   3700.00 11600.00


FLOW DISTRIBUTION FOR SECNO=     32.30          CWSEL=   1250.53

STA=    7900.     8200.     8258.     8430.     8637.     9086.     9343.     9519.     9694.    11211.    11600.
  PER Q=     13.7       3.4       7.0       9.8       8.6       4.5       6.1       3.2      43.0        .7
   AREA=   2653.1     606.1    1439.2    1895.2    2308.0    1293.6    1331.3     890.6   10246.6     488.3
    VEL=     11.7      12.8      11.1      11.8       8.4       7.9      10.5       8.1       9.6       3.1

1490 NH CARD USED
*SECNO 32.465

3265 DIVIDED FLOW


3470 ENCROACHMENT STATIONS=    7875.0   11800.0  TYPE=      1  TARGET=    3925.000
    32.47     14.07   1252.37       .00   1251.83   1253.72      1.35      1.63       .02   1247.90
  227500.   148103.    76980.     2417.    15384.     8709.     1095.    10494.     1007.   1251.40
     .55      9.63      8.84      2.21      .025      .025      .040      .000   1238.30   7875.00
  .001606      910.      900.      890.         2         0         0       .00   3904.44 11800.00
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     32.47          CWSEL=   1252.37

STA=    7875.    7934.    7983.    8055.    8238.    8393.    8476.    8635.    8759.    8896.    9056.    9405.    9515.
  PER Q=      3.1      3.4      5.0      8.9      4.2      4.1      6.7      7.3      3.2      3.4      5.5      3.3
   AREA=    659.5    606.5    896.1   1824.9   1094.9    837.9   1457.4   1392.2    870.0    977.6   1778.8    828.7
    VEL=     10.7     12.7     12.7     11.0      8.8     11.1     10.4     11.9      8.3      8.0      7.1      9.1
STA=    9515.    9755.    9926.   11161.   11800.
  PER Q=      3.7      3.2     33.8      1.1
   AREA=   1192.4    966.7   8709.0   1095.4
    VEL=      7.0      7.6      8.8      2.2

CCHV=    .300 CEHV=    .500
1490 NH CARD USED
*SECNO 32.658

3265 DIVIDED FLOW


3470 ENCROACHMENT STATIONS=    8330.0   12000.0  TYPE=     1  TARGET=    3670.000
    32.66    12.80  1254.00      .00  1253.41  1255.65     1.65     1.78      .15  1249.60
  230000.    3607.  212115.   14278.     536.   20154.    1964.   11093.    1097.   1244.30
      .58     6.73    10.52     7.27     .025     .024     .025     .000  1241.20  8330.00
  .001666    1220.    1020.    1070.        2        0        0      .00  3306.50 12000.00


FLOW DISTRIBUTION FOR SECNO=     32.66          CWSEL=   1254.00

STA=    8330.    8441.   11144.   11301.   12000.
  PER Q=      1.6     92.2      5.0      1.3
   AREA=    535.8  20154.3   1204.6    758.9
    VEL=      6.7     10.5      9.5      3.8

CCHV=    .100 CEHV=    .300
1490 NH CARD USED
*SECNO 32.862

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    8350.0   12000.0  TYPE=     1  TARGET=    3650.000
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

   32.86     15.54  1255.94       .00  1255.88  1258.15      2.21      2.33       .17  1255.80
 230000.     9636.  205579.    14785.     786.   16970.     1706.   11597.     1180.   1248.10
     .60     12.25     12.11      8.67     .025      .023      .026      .000  1240.40  8350.00
 .003172      970.     1040.     1100.        4         0         0       .00  3516.17 12000.00

FLOW DISTRIBUTION FOR SECNO=     32.86          CWSEL=   1255.94

STA=    8350.    8404.    8494.   11353.   11545.   12000.
 PER Q=      3.0      1.2     89.4      5.5      1.0
  AREA=    522.2    264.3  16970.0   1141.7    564.0
   VEL=     13.3     10.1     12.1     11.0      3.9

1490 NH CARD USED
XSECNO 32.863

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=    8350.0   12000.0  TYPE=     1  TARGET=    3650.000
   32.86     15.65  1256.05       .00  1255.90  1258.18      2.12       .02       .01  1255.80
 230000.     9615.  205360.    15025.     803.   17284.     1780.   11599.     1180.   1248.10
     .60     11.97     11.88      8.44     .025      .023      .026      .000  1240.40  8350.00
 .003008        5.        5.        5.        2         0         0       .00  3523.16 12000.00

FLOW DISTRIBUTION FOR SECNO=     32.86          CWSEL=   1256.05

STA=    8350.    8404.    8494.   11353.   11545.   12000.
 PER Q=      3.0      1.2     89.3      5.5      1.0
  AREA=    528.4    274.5  17283.8   1163.8    616.4
   VEL=     13.1      9.8     11.9     10.9      3.9

1490 NH CARD USED
XSECNO 33.023

3470 ENCROACHMENT STATIONS=    8450.0   11600.0  TYPE=     1  TARGET=    3150.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=   100000.00 ELREA=     1245.90

   33.02     19.14  1258.64       .00  1257.70  1260.42      1.78      2.21      .03100000.00
 230000.        0.  189263.    40737.       0.   19082.     2963.   12010.     1245.   1245.90
     .62       .00     9.92     13.75     .025      .025      .025      .000  1239.50  8450.00
 .002249      870.     850.      880.        2         0         0       .00  3150.00 11600.00
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  SECNO     DEPTH    CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB     QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB     VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL    XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     33.02          CWSEL=   1258.64

STA=    8450.   11328.   11419.   11470.   11523.   11600.
  PER Q=     82.3      7.0      3.8      3.4      3.4
   AREA=  19081.9   1093.9    602.9    574.7    691.2
    VEL=      9.9     14.8     14.6     13.8     11.3

1490 NH CARD USED
*SECNO 33.205

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    7862.0   11600.0  TYPE=     1  TARGET=    3738.000
    33.21    20.07  1260.97      .00  1260.35  1261.96      .99     1.46      .08  1249.00
  230000.   24165.  179574.   26261.    2490.   23997.    2776.   12572.    1321.   1251.60
      .66     9.71     7.48     9.46     .025     .025     .025     .000  1240.90  7862.00
  .001110     950.     960.     920.        2        0        0      .00  3738.00 11600.00


FLOW DISTRIBUTION FOR SECNO=     33.21          CWSEL=   1260.97

STA=    7862.    8081.   11346.   11468.   11600.
  PER Q=     10.5     78.1      5.1      6.3
   AREA=   2489.8  23997.3   1253.9   1522.3
    VEL=      9.7      7.5      9.4      9.5

1490 NH CARD USED
*SECNO 33.385

3470 ENCROACHMENT STATIONS=    7749.0   11600.0  TYPE=     1  TARGET=    3851.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1265.10 ELREA=     1257.30

    33.38    19.16  1262.06      .00  1261.40  1262.96      .90      .99      .01  1265.10
  230000.       0.  215513.   14488.       0.   28699.    1631.   13204.    1401.   1257.30
      .69      .00     7.51     8.88     .025     .025     .025     .000  1242.90  7754.13
  .001039     960.     920.     940.        2        0        0      .00  3845.87 11600.00


FLOW DISTRIBUTION FOR SECNO=     33.38          CWSEL=   1262.06

STA=    7754.   11448.   11468.   11600.
  PER Q=     93.7       .5      5.8
   AREA=  28699.3    150.8   1480.6
    VEL=      7.5      7.2      9.1
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 33.557

3470 ENCROACHMENT STATIONS=    7730.0   11600.0  TYPE=      1  TARGET=     3870.000
    33.56     19.48  1262.98      .00  1262.14  1263.90      .91       .93       .00  1244.50
  230000.     1600.  206505.   21895.     219.   27826.    2260.   13825.     1480.   1252.00
      .72      7.31     7.42     9.69     .025     .025     .025      .000  1243.50  7730.00
  .001044     880.     890.     920.        2        0        0       .00  3870.00 11600.00


FLOW DISTRIBUTION FOR SECNO=     33.56          CWSEL=   1262.98

STA=    7730.    7752.   11414.   11600.
  PER Q=        .7     89.8      9.5
   AREA=     218.8  27826.1   2259.9
    VEL=       7.3      7.4      9.7

1490 NH CARD USED
*SECNO 33.726

3470 ENCROACHMENT STATIONS=    7794.0   11450.0  TYPE=      1  TARGET=     3656.000
    33.73     20.03  1263.93      .00  1263.08  1264.85      .92       .95       .00  1265.90
  232500.        0.  225389.    7111.        0.   29011.    1442.   14474.     1561.   1249.50
      .76       .00     7.77     4.93     .025     .025     .035      .000  1243.90  7799.30
  .000995     890.     930.     940.        1        0        0       .00  3650.69 11450.00


FLOW DISTRIBUTION FOR SECNO=     33.73          CWSEL=   1263.93

STA=    7799.   11233.   11309.   11395.   11447.   11450.
  PER Q=     96.9      1.8       .8       .5       .0
   AREA=  29011.2    710.3    453.9    265.9     12.2
    VEL=       7.8      5.9      4.1      4.0      1.9

1490 NH CARD USED
*SECNO 33.892

3470 ENCROACHMENT STATIONS=    8030.0   11300.0  TYPE=      1  TARGET=     3270.000
    33.89     19.02  1264.72      .00  1263.99  1266.03     1.31      1.07       .12  1247.60
  232500.     3426.  224704.    4371.     362.   24393.     709.   15039.     1631.   1255.50
      .78      9.47     9.21     6.16     .025     .025     .025      .000  1245.70  8030.00
  .001511     870.     880.     910.        2        0        0       .00  3270.00 11300.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     29.22          CWSEL=   1221.84

STA=    9400.    9409.    9685.   10403.   10756.   10900.
  PER Q=      .4     21.3     62.9     10.7      4.6
   AREA=   127.5   3857.9  10840.2   2826.3   1221.3
    VEL=     6.7     12.4     13.1      8.6      8.5

*SECNO 29.473

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9150.0   11300.0  TYPE=     1  TARGET=    2150.000
    29.47    21.07  1224.07      .00  1223.05  1225.33     1.26     1.03      .11  1206.70
  225000.   36742.  122664.   65594.    3727.   12385.   10415.    2893.     210.   1216.00
      .15     9.86     9.90     6.30     .025     .025     .025     .000  1203.00  9150.00
  .000634    1030.    1300.     970.        3        0        0      .00  2150.00 11300.00


FLOW DISTRIBUTION FOR SECNO=     29.47          CWSEL=   1224.07

STA=    9150.    9370.   10097.   11008.   11300.
  PER Q=    16.3     54.5     19.7      9.4
   AREA=  3726.9  12385.3   7360.5   3054.0
    VEL=     9.9      9.9      6.0      7.0

*SECNO 29.676

3470 ENCROACHMENT STATIONS=    8850.0   11270.0  TYPE=     1  TARGET=    2420.000
    29.68    26.40  1224.80      .00  1224.28  1225.96     1.16      .62      .01  1214.90
  225000.   30474.   65817.  128709.    3177.    5916.   19027.    3533.     263.   1210.80
      .19     9.59    11.13     6.76     .025     .025     .025     .000  1198.40  8850.00
  .000583     920.    1060.    1020.        2        0        0      .00  2420.00 11270.00


FLOW DISTRIBUTION FOR SECNO=     29.68          CWSEL=   1224.80

STA=    8850.    8958.    9013.    9284.    9616.    9869.    9994.   10000.   10120.   10883.   11121.   11168.   11270.
  PER Q=    10.1      3.4     29.3     16.1     12.0      4.7       .2      2.0     11.7      6.5      1.4      2.8
   AREA=  2314.1    863.3  5916.1   4461.1   3348.1   1438.0     53.3    842.4   5152.4   2258.9    468.0   1004.4
    VEL=     9.8      8.9     11.1      8.1      8.0      7.3      6.4      5.3      5.1      6.4      6.7      6.2
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 29.981

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

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

3470 ENCROACHMENT STATIONS=    9400.0   10820.0  TYPE=      1  TARGET=     1420.000
    29.98    15.83  1224.93  1224.93  1224.79  1229.61     4.68      1.70      1.05100000.00
  225000.       0.  124893.  100107.       0.    6664.    6476.     4165.      320.   1225.00
     .21      .00     18.74    15.46     .025     .025     .025      .000  1209.10  9400.00
  .004067    1530.    1600.    1180.       20       14        0       .00  1419.50 10820.00

FLOW DISTRIBUTION FOR SECNO=     29.98          CWSEL=   1224.93

STA=    9400.   10000.   10041.   10104.   10378.   10459.   10590.   10774.   10788.   10820.
  PER Q=     55.5       .7      2.9     14.5      8.6      9.1      6.9       .9      1.0
   AREA=   6664.1    161.5    455.1   2169.1    978.6   1222.0   1178.9    122.9    187.9
    VEL=     18.7      9.5     14.1     15.1     19.8     16.8     13.1     16.1     11.5

*SECNO 29.982

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    9400.0   10820.0  TYPE=      1  TARGET=     1420.000
    29.98    16.78  1225.88      .00  1225.61  1229.71     3.83       .02       .09100000.00
  225000.       0.  122257.  102743.       0.    7237.    7259.     4167.      320.   1225.00
     .21      .00     16.89    14.15     .025     .025     .025      .000  1209.10  9400.00
  .002967       5.       5.       5.        8        0        0       .00  1420.00 10820.00

FLOW DISTRIBUTION FOR SECNO=     29.98          CWSEL=   1225.88

STA=    9400.   10000.   10041.   10104.   10378.   10459.   10590.   10774.   10788.   10820.
  PER Q=     54.3       .8      3.0     15.0      8.4      9.1      7.4       .9      1.0
   AREA=   7237.3    200.3    515.7   2430.5   1056.7   1347.1   1354.1    136.3    218.7
    VEL=     16.9      9.3     13.1     13.9     17.8     15.3     12.3     14.8     10.7
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*SECNO 30.194
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    9054.0   10800.0  TYPE=      1  TARGET=    1746.000
    30.19     20.76  1229.56  1229.56  1229.62  1233.82     4.26      3.48       .13100000.00
  225000.        0.  195472.   29528.        0.   11214.    3351.     4546.      362.   1228.50
      .23       .00     17.43     8.81      .025      .025     .025      .000  1208.80  9059.13
  .003168     1120.     1120.    1170.         3        11        0       .00  1740.87 10800.00


FLOW DISTRIBUTION FOR SECNO=     30.19          CWSEL=   1229.56

STA=    9059.   10000.   10024.   10274.   10495.   10640.   10736.   10800.
  PER Q=     86.9       .2      5.6      3.1      1.9      1.6       .6
   AREA=  11214.0     74.5   1280.1    851.5    531.1    413.1    201.1
    VEL=     17.4      7.1      9.9      8.2      7.9      8.9      7.0

*SECNO 30.195

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9054.0   10800.0  TYPE=      1  TARGET=    1746.000
    30.19     21.79  1230.59  1229.67  1230.66  1233.92     3.33       .01       .09100000.00
  225000.        0.  189181.   35819.        0.   12189.    4179.     4548.      362.   1228.50
      .23       .00     15.52     8.57      .025      .025     .025      .000  1208.80  9054.98
  .002261       5.        5.       5.        14         5        0       .00  1745.02 10800.00


FLOW DISTRIBUTION FOR SECNO=     30.19          CWSEL=   1230.59

STA=    9055.   10000.   10024.   10274.   10495.   10640.   10736.   10800.
  PER Q=     84.1       .3      6.5      3.9      2.4      2.0       .8
   AREA=  12189.2     98.9   1539.2   1079.7    681.3    512.3    267.3
    VEL=     15.5      7.3      9.5      8.1      7.9      8.6      7.1

*SECNO 30.458

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9350.0   10775.0  TYPE=      1  TARGET=    1425.000
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN      SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID     ENDST

    30.46     19.37   1234.07       .00   1234.02   1236.11      2.04      2.06       .13100000.00
  227500.        0.   227500.        0.        0.    19854.        0.     5102.      409. 100000.00
      .26       .00     11.46       .00      .025      .025      .025      .000   1214.70  9350.00
  .001112     1280.     1370.     1030.         2         0         0       .00   1425.00 10775.00

FLOW DISTRIBUTION FOR SECNO=     30.46          CWSEL=   1234.07

STA=    9350.   10777.
  PER Q=    100.0
   AREA=  19854.2
    VEL=     11.5

*SECNO 30.815

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=    9310.0   10800.0  TYPE=      1  TARGET=    1490.000
    30.82     19.96   1235.96       .00   1236.05   1238.35      2.39      2.13       .10   1236.50
  227500.     1331.   226169.        0.      345.    18195.        0.     5906.      467. 100000.00
      .30      3.86     12.43       .00      .025      .025      .025      .000   1216.00  9409.64
  .001223     1350.     1830.     1390.         2         0         0       .00   1378.95 10800.00

FLOW DISTRIBUTION FOR SECNO=     30.82          CWSEL=   1235.96

STA=    9410.     9471.     9514.     9562.    11136.
  PER Q=       .1        .3        .1     99.4
   AREA=     93.2     154.9      97.2  18195.2
    VEL=      2.8       4.8       3.3      12.4

*SECNO 31.028

3301 HV CHANGED MORE THAN HVINS

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

3470 ENCROACHMENT STATIONS=    9410.0   10845.0  TYPE=      1  TARGET=    1435.000
    31.03     24.83   1237.53   1237.53   1237.73   1242.40      4.88      1.97       .75   1228.00
  227500.    71902.   141375.    14224.     5903.     7046.      862.     6312.      502.   1212.70
      .32     12.18     20.06     16.50      .025      .025      .025      .000   1212.70  9418.26
  .002905     1060.     1100.     1100.        20        11         0       .00   1423.37 10841.63
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOBB   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     31.03          CWSEL=   1237.53

STA=    9418.     9660.     9882.    10127.    10280.    10323.    10772.    10842.
  PER Q=      6.9       5.2       6.0      10.4       3.0      62.1       6.3
   AREA=   1373.5    1188.0    1321.8    1568.4     451.6    7046.3     861.9
    VEL=     11.5       9.9      10.4      15.1      15.3      20.1      16.5

*SECNO 31.029

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9410.0   10845.0  TYPE=      1  TARGET=    1435.000
    31.03     25.97  1238.67       .00  1238.83  1242.52      3.85       .01       .10  1228.00
  227500.   78340.  135491.    13669.     6937.     7559.      943.     6313.      502.   1212.70
      .32     11.29     17.92     14.50      .025      .025      .025      .000  1212.70  9413.56
  .002112        5.        5.        5.         8         0         0       .00  1431.26 10844.82


FLOW DISTRIBUTION FOR SECNO=     31.03          CWSEL=   1238.67

STA=    9414.     9660.     9882.    10127.    10280.    10323.    10772.    10845.
  PER Q=      7.7       6.0       7.0      10.6       3.1      59.6       6.0
   AREA=   1651.6    1441.4    1601.2    1742.4     500.7    7558.8     942.9
    VEL=     10.7       9.5       9.9      13.9      14.0      17.9      14.5

*SECNO 31.301

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    8770.0   10890.0  TYPE=      1  TARGET=    2120.000
    31.30     22.92  1243.02       .00  1242.85  1244.07      1.06      1.27       .28  1225.60
  227500.   57193.  168867.     1440.     8676.    19274.      261.     6989.      555.   1220.70
      .37      6.59      8.76      5.52      .025      .025      .025      .000  1220.10  8770.00
  .000524    1190.     1440.     1380.         2         0         0       .00  2120.00 10890.00


FLOW DISTRIBUTION FOR SECNO=     31.30          CWSEL=   1243.02

STA=    8770.     8867.     9104.     9155.     9276.     9384.     9690.    10868.    10890.
  PER Q=       .9       3.5       .7       1.6       2.7      15.8      74.2       .6
   AREA=    509.1    1613.5    323.4     769.7    1027.1    4433.4   19274.0     261.0
    VEL=      4.0       4.9      4.7       4.7       6.1       8.1       8.8       5.5
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 31.522

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=    8250.0   11450.0  TYPE=      1  TARGET=    3200.000
    31.52     19.38  1243.78       .00  1243.74  1244.83     1.05       .76       .00  1244.50
  227500.   37751.  189749.        0.    5789.   22271.       0.     7733.      625. 100000.00
     .40      6.52      8.52       .00      .025      .025      .025      .000  1224.40  8250.00
  .000848    1120.     1160.     1650.         3         0         0       .00  3165.26 11450.00

FLOW DISTRIBUTION FOR SECNO=     31.52          CWSEL=   1243.78

STA=    8250.     8335.     8402.     8603.     8809.     9395.    11539.
  PER Q=      5.1       3.2       3.6       3.2       1.6      83.4
   AREA=   1210.4     797.3    1326.9    1237.8    1217.0  22270.6
    VEL=      9.5       9.0       6.2       5.8       3.0       8.5

*SECNO 31.725

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=    8230.0   11950.0  TYPE=      1  TARGET=    3720.000
    31.73     15.24  1244.74       .00  1244.61  1245.95     1.21      1.07       .05  1246.20
  227500.   44795.  137666.    45038.    5618.   14489.    6136.     8407.      706.   1237.10
     .44      7.97      9.50      7.34      .025      .025      .025      .000  1229.50  8230.00
  .001183     870.     1070.     1530.         2         0         0       .00  3428.43 11950.00

FLOW DISTRIBUTION FOR SECNO=     31.73          CWSEL=   1244.74

STA=    8230.     8561.     8698.     8809.     9340.    11020.    11202.    11420.    11739.    11895.    11950.
  PER Q=      5.2       8.4       3.6       2.5      60.5       4.1       3.4       4.9       5.2       2.1
   AREA=   1717.9    1719.1     934.6    1245.8   14488.5    1266.6    1208.1    1737.1    1364.5     559.4
    VEL=      6.9      11.1       8.9       4.6       9.5       7.4       6.4       6.4       8.7       8.7

*SECNO 31.896

3265 DIVIDED FLOW
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3470 ENCROACHMENT STATIONS=    8300.0   12000.0  TYPE=      1  TARGET=    3700.000
    31.90     17.88  1245.98      .00  1245.50  1247.35     1.38      1.35       .05  1246.10
  227500.    75994.  151506.       0.     7474.   16797.       0.     8967.      781. 100000.00
     .47     10.17     9.02      .00      .025     .025     .025      .000  1228.10  8300.00
  .001676     920.     980.    1000.         2        0        0       .00  3422.10 12000.00


FLOW DISTRIBUTION FOR SECNO=     31.90          CWSEL=   1245.98

STA=    8300.    8592.    8752.    8906.    9014.    9151.    9535.   12146.
  PER Q=      9.4      6.8      3.2      5.7      7.5       .7     66.6
   AREA=   2197.5   1457.0    901.1   1125.0   1451.6    342.1  16797.4
    VEL=      9.7     10.6      8.1     11.6     11.8      5.0      9.0

*SECNO 32.126

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    8500.0   11600.0  TYPE=      1  TARGET=    3100.000
    32.13     13.96  1247.86      .00  1247.85  1249.91     2.05      2.35       .20100000.00
  227500.        0.  227500.       0.        0.   19784.       0.     9540.      861. 100000.00
     .49       .00    11.50      .00      .025     .025     .025      .000  1233.90  8500.00
  .002642    1150.    1130.    1100.         2        0        0       .00  2697.96 11600.00


FLOW DISTRIBUTION FOR SECNO=     32.13          CWSEL=   1247.86

STA=    8500.   11727.
  PER Q=    100.0
   AREA=  19783.8
    VEL=     11.5

*SECNO 32.127

3265 DIVIDED FLOW


3470 ENCROACHMENT STATIONS=    8500.0   11600.0  TYPE=      1  TARGET=    3100.000
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

   32.13     13.98  1247.88       .00  1247.87  1249.92      2.05       .01       .00100000.00
 227500.        0.  227500.        0.        0.   19808.        0.     9543.      861. 100000.00
     .49       .00     11.49       .00      .025      .025      .025      .000  1233.90  8500.00
 .002634        5.        5.        5.         0         0         0       .00  2699.34 11600.00

FLOW DISTRIBUTION FOR SECNO=     32.13          CWSEL=   1247.88

STA=    8500.   11727.
  PER Q=    100.0
   AREA=  19807.6
    VEL=     11.5

*SECNO 32.296

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    7900.0   11600.0  TYPE=     1  TARGET=    3700.000
    32.30     14.93  1250.53       .00  1250.43  1252.07      1.54      2.10       .05  1245.90
 227500.    128088.    97876.     1536.    12417.    10247.      488.     9992.      928.   1248.80
     .52     10.32      9.55      3.15      .025      .025      .025      .000  1235.60  7900.00
 .002027      940.      900.      890.         2         0         0       .00  3700.00 11600.00


FLOW DISTRIBUTION FOR SECNO=     32.30          CWSEL=   1250.53

STA=    7900.    8200.    8258.    8430.    8637.    9086.    9343.    9519.    9694.   11211.   11600.
  PER Q=     13.7      3.4      7.0      9.8      8.6      4.5      6.1      3.2     43.0       .7
   AREA=   2653.1    606.1   1439.2   1895.2   2308.0   1293.6   1331.3    890.6  10246.6    488.3
    VEL=     11.7     12.8     11.1     11.8      8.4      7.9     10.5      8.1      9.6      3.1

1490 NH CARD USED
*SECNO 32.465

3265 DIVIDED FLOW


3470 ENCROACHMENT STATIONS=    7875.0   11800.0  TYPE=     1  TARGET=    3925.000
    32.47     14.07  1252.37       .00  1251.83  1253.72      1.35      1.63       .02  1247.90
 227500.    148103.    76980.     2417.    15384.     8709.     1095.    10494.     1007.   1251.40
     .55      9.63      8.84      2.21      .025      .025      .040      .000  1238.30  7875.00
 .001606      910.      900.      890.         2         0         0       .00  3904.44 11800.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     32.47          CWSEL=   1252.37

STA=    7875.    7934.    7983.    8055.    8238.    8393.    8476.    8635.    8759.    8896.    9056.    9405.    9515.
  PER Q=      3.1      3.4      5.0      8.9      4.2      4.1      6.7      7.3      3.2      3.4      5.5      3.3
   AREA=    659.5    606.5    896.1   1824.9   1094.9    837.9   1457.4   1392.2    870.0    977.6   1778.8    828.7
    VEL=     10.7     12.7     12.7     11.0      8.8     11.1     10.4     11.9      8.3      8.0      7.1      9.1
STA=    9515.    9755.    9926.   11161.   11800.
  PER Q=      3.7      3.2     33.8      1.1
   AREA=   1192.4    966.7   8709.0   1095.4
    VEL=      7.0      7.6      8.8      2.2

CCHV=    .300 CEHV=    .500
1490 NH CARD USED
*SECNO 32.658

3265 DIVIDED FLOW


3470 ENCROACHMENT STATIONS=    8330.0   12000.0  TYPE=     1  TARGET=    3670.000
    32.66    12.80  1254.00      .00  1253.41  1255.65     1.65     1.78      .15  1249.60
  230000.     3607.  212115.   14278.     536.   20154.    1964.   11093.    1097.   1244.30
      .58     6.73    10.52     7.27     .025     .024     .025     .000  1241.20  8330.00
  .001666    1220.    1020.    1070.        2        0        0      .00  3306.50 12000.00


FLOW DISTRIBUTION FOR SECNO=     32.66          CWSEL=   1254.00

STA=    8330.    8441.   11144.   11301.   12000.
  PER Q=      1.6     92.2      5.0      1.3
   AREA=    535.8  20154.3   1204.6    758.9
    VEL=      6.7     10.5      9.5      3.8

CCHV=    .100 CEHV=    .300
1490 NH CARD USED
*SECNO 32.862

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    8350.0   12000.0  TYPE=     1  TARGET=    3650.000
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

    32.86     15.54  1255.94       .00  1255.88  1258.15      2.21      2.33       .17  1255.80
  230000.     9636.  205579.    14785.     786.   16970.     1706.   11597.     1180.   1248.10
      .60     12.25     12.11      8.67     .025      .023      .026      .000  1240.40  8350.00
  .003172      970.     1040.     1100.        4         0         0       .00  3516.17 12000.00

FLOW DISTRIBUTION FOR SECNO=      32.86          CWSEL=   1255.94

STA=     8350.     8404.     8494.    11353.    11545.    12000.
  PER Q=       3.0       1.2      89.4       5.5       1.0
   AREA=     522.2     264.3  16970.0    1141.7     564.0
    VEL=      13.3      10.1      12.1      11.0       3.9

1490 NH CARD USED
*SECNO 32.863

3265 DIVIDED FLOW


3470 ENCROACHMENT STATIONS=     8350.0    12000.0  TYPE=      1  TARGET=     3650.000
    32.86     15.65  1256.05       .00  1255.90  1258.18      2.12       .02       .01  1255.80
  230000.     9615.  205360.    15025.     803.   17284.     1780.   11599.     1180.   1248.10
      .60     11.97     11.88      8.44     .025      .023      .026      .000  1240.40  8350.00
  .003008        5.        5.        5.        2         0         0       .00  3523.16 12000.00


FLOW DISTRIBUTION FOR SECNO=      32.86          CWSEL=   1256.05

STA=     8350.     8404.     8494.    11353.    11545.    12000.
  PER Q=       3.0       1.2      89.3       5.5       1.0
   AREA=     528.4     274.5  17283.8    1163.8     616.4
    VEL=      13.1       9.8      11.9      10.9       3.9

1490 NH CARD USED
*SECNO 33.023

3470 ENCROACHMENT STATIONS=     8450.0    11600.0  TYPE=      1  TARGET=     3150.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=   100000.00 ELREA=      1245.90

    33.02     19.14  1258.64       .00  1257.70  1260.42      1.78      2.21       .03100000.00
  230000.        0.  189263.    40737.        0.   19082.     2963.   12010.     1245.   1245.90
      .62       .00      9.92     13.75     .025      .025      .025      .000  1239.50  8450.00
  .002249      870.      850.      880.        2         0         0       .00  3150.00 11600.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     33.02          CWSEL=   1258.64

STA=    8450.   11328.   11419.   11470.   11523.   11600.
  PER Q=     82.3      7.0      3.8      3.4      3.4
   AREA=  19081.9   1093.9    602.9    574.7    691.2
    VEL=      9.9     14.8     14.6     13.8     11.3

1490 NH CARD USED
*SECNO 33.205

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    7862.0   11600.0  TYPE=     1  TARGET=    3738.000
    33.21     20.07  1260.97      .00  1260.35  1261.96      .99      1.46      .08  1249.00
  230000.   24165.  179574.   26261.    2490.   23997.    2776.   12572.    1321.   1251.60
      .66      9.71     7.48     9.46     .025     .025     .025     .000  1240.90  7862.00
  .001110     950.     960.     920.        2        0        0      .00  3738.00 11600.00


FLOW DISTRIBUTION FOR SECNO=     33.21          CWSEL=   1260.97

STA=    7862.    8081.   11346.   11468.   11600.
  PER Q=     10.5     78.1      5.1      6.3
   AREA=   2489.8  23997.3   1253.9   1522.3
    VEL=      9.7      7.5      9.4      9.5

1490 NH CARD USED
*SECNO 33.385

3470 ENCROACHMENT STATIONS=    7749.0   11600.0  TYPE=     1  TARGET=    3851.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1265.10 ELREA=     1257.30

    33.38     19.16  1262.06      .00  1261.40  1262.96      .90      .99      .01  1265.10
  230000.        0.  215513.   14488.       0.   28699.    1631.   13204.    1401.   1257.30
      .69       .00     7.51     8.88     .025     .025     .025     .000  1242.90  7754.13
  .001039     960.     920.     940.        2        0        0      .00  3845.87 11600.00


FLOW DISTRIBUTION FOR SECNO=     33.38          CWSEL=   1262.06

STA=    7754.   11448.   11468.   11600.
  PER Q=     93.7       .5      5.8
   AREA=  28699.3    150.8   1480.6
    VEL=      7.5      7.2      9.1
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


1490 NH CARD USED
*SECNO 33.557

3470 ENCROACHMENT STATIONS=    7730.0   11600.0  TYPE=      1  TARGET=    3870.000
    33.56     19.48  1262.98      .00  1262.14  1263.90      .91       .93       .00  1244.50
  230000.     1600.  206505.   21895.     219.   27826.    2260.   13825.     1480.   1252.00
     .72      7.31     7.42     9.69     .025     .025     .025     .000  1243.50  7730.00
  .001044     880.     890.     920.        2        0        0      .00  3870.00 11600.00


FLOW DISTRIBUTION FOR SECNO=     33.56          CWSEL=   1262.98

STA=    7730.    7752.   11414.   11600.
  PER Q=        .7     89.8      9.5
   AREA=     218.8  27826.1   2259.9
    VEL=       7.3      7.4      9.7

1490 NH CARD USED
*SECNO 33.726

3470 ENCROACHMENT STATIONS=    7794.0   11450.0  TYPE=      1  TARGET=    3656.000
    33.73     20.03  1263.93      .00  1263.08  1264.85      .92       .95       .00  1265.90
  232500.        0.  225389.    7111.        0.   29011.    1442.   14474.     1561.   1249.50
     .76       .00     7.77     4.93     .025     .025     .035     .000  1243.90  7799.30
  .000995     890.     930.     940.        1        0        0      .00  3650.69 11450.00


FLOW DISTRIBUTION FOR SECNO=     33.73          CWSEL=   1263.93

STA=    7799.   11233.   11309.   11395.   11447.   11450.
  PER Q=     96.9      1.8       .8       .5       .0
   AREA=  29011.2    710.3    453.9    265.9     12.2
    VEL=       7.8      5.9      4.1      4.0      1.9

1490 NH CARD USED
*SECNO 33.892

3470 ENCROACHMENT STATIONS=    8030.0   11300.0  TYPE=      1  TARGET=    3270.000
    33.89     19.02  1264.72      .00  1263.99  1266.03     1.31      1.07       .12  1247.60
  232500.     3426.  224704.    4371.     362.   24393.     709.   15039.     1631.   1255.50
     .78      9.47     9.21     6.16     .025     .025     .025     .000  1245.70  8030.00
  .001511     870.     880.     910.        2        0        0      .00  3270.00 11300.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     33.89          CWSEL=   1264.72

STA=    8030.    8069.   11130.   11300.
  PER Q=      1.5      96.6       1.9
   AREA=    361.7  24392.9     709.1
    VEL=      9.5       9.2       6.2

1490 NH CARD USED
*SECNO 34.091

3470 ENCROACHMENT STATIONS=    8450.0   11220.0  TYPE=      1  TARGET=    2770.000
    34.09    18.18  1266.18      .00  1266.01  1267.79     1.61      1.67       .09  1248.00
  232500.     363.  220410.   11727.      69.   21361.    1545.   15619.     1703.   1260.50
     .81     5.26     10.32     7.59     .025     .025     .025      .000  1248.00  8450.00
  .001700     900.    1050.     910.        2        0        0       .00  2770.00 11220.00

FLOW DISTRIBUTION FOR SECNO=     34.09          CWSEL=   1266.18

STA=    8450.    8454.   10925.   11100.   11220.
  PER Q=       .2      94.8       3.8       1.2
   AREA=     69.1  21361.4   1082.9     462.2
    VEL=      5.3      10.3       8.3       6.0

1490 NH CARD USED
*SECNO 34.271

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    8859.6   11016.6  TYPE=      1  TARGET=    2157.000
    34.27    19.10  1267.10      .00  1266.30  1270.37     3.27      2.08      .50100000.00
  232500.       0.  232500.       0.       0.   16010.       0.   16012.     1752. 100000.00
     .83      .00     14.52      .00     .025     .023     .025      .000  1248.00  8859.60
  .003516     910.     880.     870.        3        0        0       .00  2157.00 11016.60

FLOW DISTRIBUTION FOR SECNO=     34.27          CWSEL=   1267.10

STA=    8860.   11150.
  PER Q=    100.0
   AREA=  16009.7
    VEL=     14.5
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 34.272

3470 ENCROACHMENT STATIONS=    8859.6   11016.6  TYPE=      1  TARGET=    2157.000
    34.27     19.28  1267.28      .00  1266.93  1270.40     3.13      .02       .01100000.00
  232500.        0.  232500.       0.        0.   16380.      0.   16014.    1753. 100000.00
      .83       .00    14.19      .00      .025      .023    .025     .000  1248.00  8859.60
  .003302        5.       5.       5.         3         0       0      .00  2157.00 11016.60

FLOW DISTRIBUTION FOR SECNO=     34.27          CWSEL=   1267.28

STA=    8860.   11150.
  PER Q=    100.0
   AREA=  16380.5
    VEL=     14.2

1490 NH CARD USED
*SECNO 34.453

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    8870.0   11140.0  TYPE=      1  TARGET=    2270.000
    34.45     21.20  1270.70      .00  1269.88  1272.75     2.05     2.24       .11  1254.80
  232500.     3335.  229165.       0.      334.   19887.      0.   16392.    1798. 100000.00
      .85      9.98    11.52      .00      .025      .024    .025     .000  1249.50  8878.54
  .001941      900.     900.     900.         2         0       0      .00  2261.45 11140.00

FLOW DISTRIBUTION FOR SECNO=     34.45          CWSEL=   1270.70

STA=    8879.    8921.   11282.
  PER Q=      1.4      98.6
   AREA=    334.3   19887.5
    VEL=     10.0      11.5

1490 NH CARD USED
*SECNO 34.642
3280 CROSS SECTION     34.64 EXTENDED       .10 FEET

3470 ENCROACHMENT STATIONS=    9060.0   11170.0  TYPE=      1  TARGET=    2110.000
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     INITIAL   IDC       ICONT     COKAK     TOPWID      ENDST


   34.64     24.61   1272.51       .00   1272.19   1274.62      2.12      1.85       .02   1252.90
  235000.    3546.   231454.        0.      345.    19795.        0.    16865.     1849. 100000.00
     .87     10.28     11.69       .00      .025      .024      .025      .000   1247.90   9060.00
 .001706    1000.     1020.     1070.         2         0         0       .00   2110.00  11170.00


FLOW DISTRIBUTION FOR SECNO=     34.64          CWSEL=   1272.51

STA=    9060.     9095.    11179.
  PER Q=       1.5      98.5
   AREA=     344.8   19795.3
    VEL=      10.3      11.7

1490 NH CARD USED
*SECNO 34.856

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9100.0   11180.0  TYPE=      1  TARGET=    2080.000
   34.86     22.60   1274.50       .00   1274.35   1276.03      1.53      1.35       .06   1255.40
  235000.    2578.   232422.        0.      451.    23301.        0.    17400.     1900. 100000.00
     .90      5.71      9.97       .00      .040      .024      .025      .000   1251.90   9100.00
 .000989    1160.     1060.     1000.         2         0         0       .00   2080.00  11180.00


FLOW DISTRIBUTION FOR SECNO=     34.86          CWSEL=   1274.50

STA=    9100.     9127.    11497.
  PER Q=       1.1      98.9
   AREA=     451.2   23300.9
    VEL=       5.7      10.0

1490 NH CARD USED
*SECNO 35.136

3470 ENCROACHMENT STATIONS=    8850.0   11160.0  TYPE=      1  TARGET=    2310.000
   35.14     19.71   1276.01       .00   1275.65   1277.41      1.39      1.36       .01   1269.50
  235000.   75997.   156981.     2022.     8544.    16028.      636.    18202.     1970.   1273.90
     .95      8.89      9.79      3.18      .025      .025      .025      .000   1256.30   8850.00
 .000905    1250.     1480.      690.         2         0         0       .00   2310.00  11160.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   RANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     35.14          CWSEL=   1276.01

STA=    8850.    8956.    9088.    9238.    9331.    9470.    9646.   10892.   11160.
  PER Q=      6.0      6.7      8.1      4.0      3.9      3.6     66.8       .9
   AREA=   1435.6   1644.0   1939.9   1038.5   1211.2   1274.7  16028.5    635.7
    VEL=      9.8      9.6      9.8      9.0      7.6      6.7      9.8      3.2

1490 NH CARD USED
*SECNO 35.297

3470 ENCROACHMENT STATIONS=    8720.0   11250.0  TYPE=     1  TARGET=    2530.000
    35.30    20.91  1276.81      .00  1276.45  1278.39     1.58      .93      .06  1266.80
  235000.  131396.  102726.     878.    15652.    8597.     374.   18769.    2026.   1274.00
     .97     8.39    11.95     2.35     .025     .025     .025     .000  1255.90  8720.00
  .000998    1200.     800.     670.        2        0        0      .00  2530.00 11250.00


FLOW DISTRIBUTION FOR SECNO=     35.30          CWSEL=   1276.81

STA=    8720.    8918.    9120.    9435.    9652.   10000.   10292.   10436.   10970.   11250.
  PER Q=      7.1      7.9     13.6      5.2      5.8     11.1      5.2     43.7       .4
   AREA=   1960.4   2058.7   3448.9   1666.1   2147.7   2951.6   1418.9   8597.1    373.7
    VEL=      8.6      9.0      9.3      7.4      6.3      8.8      8.6     11.9      2.3

1490 NH CARD USED
*SECNO 35.480

3470 ENCROACHMENT STATIONS=    8850.0   11350.0  TYPE=     1  TARGET=    2500.000
    35.48    21.70  1278.00      .00  1277.74  1279.28     1.28      .86      .03  1269.00
  235000.  104984.   96262.   33753.   14439.    8905.    3865.   19361.    2083.   1265.90
     1.01     7.27    10.81     8.73     .025     .025     .025     .000  1256.30  8855.15
  .000767    1060.     950.     720.        2        0        0      .00  2494.85 11350.00


FLOW DISTRIBUTION FOR SECNO=     35.48          CWSEL=   1278.00

STA=    8855.    8971.    9322.    9549.    9691.   10000.   10355.   10499.   11027.   11169.   11304.   11350.
  PER Q=      3.2     16.2      5.3      3.4      3.9      9.2      3.3     41.0      6.6      6.9       .9
   AREA=   1045.5   4332.7   1860.5   1188.8   1752.1   3105.0   1155.0   8904.8   1756.4   1772.4    336.4
    VEL=      7.3      8.8      6.7      6.8      5.3      7.0      6.6     10.8      8.8      9.1      6.1

1490 NH CARD USED
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 35.661

3470 ENCROACHMENT STATIONS=    8790.0   11400.0  TYPE=      1  TARGET=    2610.000
    35.66     20.76  1278.76       .00  1278.56  1280.22      1.47       .89       .06  1275.50
  237500.    85918.  112686.    38896.    10407.   10596.     3923.    19945.     2141.   1269.60
     1.03      8.26     10.63      9.92      .025     .025      .025      .000   1258.00  8807.39
  .001103     1020.      950.      900.         2        0         0       .00   2592.60 11400.00

FLOW DISTRIBUTION FOR SECNO=     35.66          CWSEL=   1278.76

STA=    8807.     9033.     9104.     9262.     9438.     9671.     9883.    10209.    11055.    11239.    11394.    11400.
  PER Q=      3.9       3.2      11.6       6.4       4.4       3.1       3.6      47.4       8.3       8.0        .1
   AREA=   1378.8     782.7    2323.9    1691.6    1524.8    1188.6    1516.4   10596.4    2020.7    1845.2      56.8
    VEL=      6.7       9.7      11.8       8.9       6.9       6.2       5.6      10.6       9.7      10.3       3.1

1490 NH CARD USED
*SECNO 36.011

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    8750.0   10850.0  TYPE=      1  TARGET=    2100.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1275.50 ELREA=   100000.00

    36.01     20.28  1280.78       .00  1280.72  1282.80      2.02      2.41       .17  1275.50
  237500.    58857.  178643.        0.     6365.   14852.        0.    20908.     2238. 100000.00
     1.08      9.25     12.03       .00      .025     .026      .025      .000   1260.50  8750.00
  .001621     1810.     1820.     1840.         2        0         0       .00   2095.26 10845.26

FLOW DISTRIBUTION FOR SECNO=     36.01          CWSEL=   1280.78

STA=    8750.     8860.     9023.     9342.     9581.     9619.    10863.
  PER Q=      3.9       4.9       8.3       6.9        .8      75.2
   AREA=    964.2    1250.4    2136.1    1783.5     231.2   14852.2
    VEL=      9.7       9.4       9.2       9.2       8.0      12.0

1490 NH CARD USED
*SECNO 36.203
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    8730.0   10700.0  TYPE=      1  TARGET=     1970.000
    36.20     19.91  1282.01      .00  1282.00  1284.58     2.57      1.62       .17  1281.80
  237500.    35142.  202358.       0.     4103.   15009.       0.   21334.     2281. 100000.00
     1.10      8.57    13.48      .00      .025     .026     .025      .000  1262.10  8734.61
  .001907      920.     920.     930.        2        0        0       .00  1965.39 10700.00


FLOW DISTRIBUTION FOR SECNO=     36.20          CWSEL=   1282.01

STA=    8735.    9099.    9324.    9496.   10769.
  PER Q=      8.4      5.4      1.0     85.2
   AREA=   2260.6   1439.2    403.2  15009.1
    VEL=      8.8      9.0      5.9     13.5

1490 NH CARD USED
*SECNO 36.403

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    8800.0   10750.0  TYPE=      1  TARGET=     1950.000
    36.40     18.41  1283.71      .00  1283.54  1287.05     3.34      2.24       .23  1283.90
  237500.    29823.  207677.       0.     3345.   13560.       0.   21758.     2327. 100000.00
     1.12      8.92    15.32      .00      .025     .025     .025      .000  1265.30  8801.22
  .002529     1050.    1020.    1030.        2        0        0       .00  1922.20 10750.00


FLOW DISTRIBUTION FOR SECNO=     36.40          CWSEL=   1283.71

STA=    8801.    9013.    9325.    9572.   10762.
  PER Q=      5.3      6.3       .9     87.4
   AREA=   1217.9   1645.7    481.6  13560.3
    VEL=     10.4      9.0      4.7     15.3

1490 NH CARD USED
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 36.595

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    9030.0   10650.0  TYPE=      1  TARGET=    1620.000
    36.60     23.01  1285.61      .00  1285.53  1289.92     4.31      2.58       .29  1280.00
  237500.    46943.  190557.       0.     4824.   10610.       0.    22123.     2367. 100000.00
     1.13      9.73     17.96      .00      .025     .026     .025      .000  1262.60  9036.52
  .002748     1020.      970.     970.        2        0        0       .00  1606.08 10642.60

FLOW DISTRIBUTION FOR SECNO=     36.60          CWSEL=   1285.61

STA=    9037.    9224.    9429.    9696.    9915.   10667.
  PER Q=      4.5      4.3      5.9      5.1     80.2
   AREA=   1059.8   1080.9   1457.3   1225.7  10610.3
    VEL=     10.0      9.4      9.7      9.8     18.0

1490 NH CARD USED
*SECNO 36.775

3470 ENCROACHMENT STATIONS=    9250.0   10650.0  TYPE=      1  TARGET=    1400.000
    36.78     22.32  1288.02      .00  1288.00  1292.36     4.34      2.43       .01  1280.70
  240000.    56838.  183162.       0.     5343.   10071.       0.    22460.     2400. 100000.00
     1.15     10.64     18.19      .00      .025     .026     .025      .000  1265.70  9259.72
  .002403      980.      940.     940.        2        0        0       .00  1379.32 10639.04

FLOW DISTRIBUTION FOR SECNO=     36.78          CWSEL=   1288.02

STA=    9260.    9420.    9521.    9799.   10000.   10039.   10680.
  PER Q=      3.6      3.5      8.8      6.3      1.4     76.3
   AREA=    905.7    755.4   1968.2   1417.1    297.0  10070.7
    VEL=      9.7     11.1     10.7     10.7     11.3     18.2

1490 NH CARD USED
*SECNO 36.953

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    9440.0   10800.0  TYPE=      1  TARGET=    1360.000
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

    36.95     23.49  1291.89       .00  1291.81  1293.84      1.94      1.24       .24  1278.40
  240000.    51998.  188002.        0.     5553.   16145.        0.   22852.     2429. 100000.00
     1.17      9.36     11.64       .00      .025      .025      .025      .000  1268.40  9440.00
  .000860      920.      920.      920.         3         0         0       .00  1354.76 10794.76

FLOW DISTRIBUTION FOR SECNO=     36.95          CWSEL=   1291.89

STA=    9440.    9463.    9606.    9876.   10832.
  PER Q=        .9       7.0     13.7      78.3
   AREA=     305.9   1796.2   3450.4  16144.9
    VEL=       7.2       9.4      9.5      11.6

1490 NH CARD USED
*SECNO 37.152

3470 ENCROACHMENT STATIONS=    9450.0   10800.0  TYPE=     1  TARGET=    1350.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=   100000.00 ELREA=     1288.30

    37.15     20.30  1292.80       .00  1292.82  1294.97      2.17      1.06       .07100000.00
  240000.        0.  234843.     5157.        0.   19683.     1093.   23330.     2460.   1288.30
     1.20       .00     11.93     4.72      .025      .030      .040      .000  1272.50  9454.39
  .001404      930.      990.      910.         2         0         0       .00  1345.61 10800.00

FLOW DISTRIBUTION FOR SECNO=     37.15          CWSEL=   1292.80

STA=    9454.   10632.   10800.
  PER Q=      97.9       2.1
   AREA=  19683.0    1092.7
    VEL=      11.9       4.7

1490 NH CARD USED
*SECNO 37.328

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=    9351.0   10701.0  TYPE=     1  TARGET=    1350.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1290.70 ELREA=   100000.00
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN      SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    INC       ICONT     CORAR     TOPWID     ENDST

   37.33     23.27  1294.17       .00  1294.08  1296.35      2.18      1.38       .00  1290.70
 240000.       66.  239934.        0.       49.   20241.       0.    23773.     2488. 100000.00
    1.22     1.33     11.85       .00      .060      .030      .040      .000  1270.90  9351.00
 .001542     930.      940.      910.         2         0         0       .00  1339.73 10701.00


FLOW DISTRIBUTION FOR SECNO=     37.33          CWSEL=   1294.17

STA=    9351.     9389.   10751.
  PER Q=        .0     100.0
   AREA=      49.3  20240.6
    VEL=       1.3      11.9

1490 NH CARD USED
*SECNO 37.523

3470 ENCROACHMENT STATIONS=    9450.0   10720.0  TYPE=      1  TARGET=     1270.000
    37.52     22.52  1295.52       .00  1295.16  1297.76      2.24      1.39       .02100000.00
 240000.        0.  211214.    28786.        0.   17115.    3121.    24209.     2517.   1283.50
    1.24       .00     12.34      9.22      .060      .030      .030      .000  1273.00  9450.00
 .001429     910.      930.     1020.         2         0         0       .00  1270.00 10720.00


FLOW DISTRIBUTION FOR SECNO=     37.52          CWSEL=   1295.52

STA=    9450.    10438.   10682.   10720.
  PER Q=      88.0      11.4        .5
   AREA=  17115.4    2852.4     268.2
    VEL=      12.3       9.6       4.9

1490 NH CARD USED
*SECNO 37.720

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9561.4   10487.3  TYPE=      1  TARGET=      925.899
    37.72     21.98  1295.98       .00  1295.67  1299.97      3.99      1.68       .52  1297.90
 242500.        0.  242500.        0.        0.   15133.       0.    24570.     2539. 100000.00
    1.26       .00     16.02       .00      .060      .031      .030      .000  1274.00  9571.25
 .002614     830.      890.      890.         2         0         0       .00   910.27 10481.53
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     37.72          CWSEL=   1295.98

STA=    9571.   10487.
  PER Q=    100.0
   AREA=  15133.1
    VEL=     16.0

1490 NH CARD USED
#SECNO 37.898

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9711.2   10615.0  TYPE=     1  TARGET=     903.800
    37.90     24.95  1299.45      .00  1299.48  1302.19     2.74      2.09      .12  1288.50
  242500.        0.  242500.       0.        0.   18258.       0.    24930.    2558. 100000.00
     1.27       .00     13.28      .00      .060     .036     .030      .000  1274.50  9711.20
  .001920      880.      940.     950.        3        0        0       .00   903.80 10615.00


FLOW DISTRIBUTION FOR SECNO=     37.90          CWSEL=   1299.45

STA=    9711.   10615.
  PER Q=    100.0
   AREA=  18257.9
    VEL=     13.3

1490 NH CARD USED
#SECNO 38.074

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9700.0   10753.6  TYPE=     1  TARGET=    1053.600
    38.07     25.97  1302.07      .00  1301.93  1304.11     2.04      1.85      .07  1287.40
  242500.   25591.  216909.       0.     2397.   18782.       0.    25375.    2581. 100000.00
     1.30     10.68     11.55      .00      .035     .043     .030      .000  1276.10  9700.00
  .001856    1020.      980.     970.        2        0        0       .00  1053.60 10753.60


FLOW DISTRIBUTION FOR SECNO=     38.07          CWSEL=   1302.07

STA=    9700.    9827.    9876.   10754.
  PER Q=      7.1      3.4     89.4
   AREA=   1654.5    742.2  18782.2
    VEL=     10.4     11.3     11.5
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


1490 NH CARD USED
*SECNO 38.261

3470 ENCROACHMENT STATIONS=    9800.0   10850.0  TYPE=      1  TARGET=    1050.000
    38.26     29.45  1303.65       .00  1303.69  1306.12      2.48      1.88       .13  1291.90
  242500.    44184.  198316.        0.     4505.    15057.       0.    25833.    2604. 100000.00
     1.32      9.81     13.17       .00      .037      .039      .030      .000  1274.20  9800.00
  .001990      980.      980.      970.         2         0         0       .00  1045.52 10845.52


FLOW DISTRIBUTION FOR SECNO=     38.26          CWSEL=   1303.65

STA=    9800.   10000.   10142.   10881.
  PER Q=      11.6       6.6      81.8
   AREA=    2717.2    1787.8  15057.0
    VEL=      10.4       9.0      13.2

1490 NH CARD USED
*SECNO 38.439

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9750.0   10857.4  TYPE=      1  TARGET=    1107.400

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1292.00 ELREA=   100000.00

    38.44     29.29  1305.69       .00  1305.19  1307.66      1.97      1.49       .05  1292.00
  242500.    28847.  213653.        0.     3413.    18413.       0.    26277.    2627. 100000.00
     1.34      8.45     11.60       .00      .035      .036      .030      .000  1276.40  9750.00
  .001304      910.      940.      920.         2         0         0       .00  1098.46 10848.46


FLOW DISTRIBUTION FOR SECNO=     38.44          CWSEL=   1305.69

STA=    9750.   10000.   10857.
  PER Q=      11.9      88.1
   AREA=    3412.8  18412.9
    VEL=       8.5      11.6

1490 NH CARD USED
*SECNO 38.636
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3470 ENCROACHMENT STATIONS=     9600.0   10802.6  TYPE=      1  TARGET=     1202.600
    38.64     29.89  1307.09      .00  1306.17  1308.90      1.81      1.22       .02  1294.00
  242500.     1979.  240521.       0.      339.   22190.       0.   26769.     2653. 100000.00
     1.37      5.84     10.84     .00      .035      .034     .030      .000  1277.20  9600.00
  .001223      930.      970.    980.         2         0        0       .00  1195.71 10795.71


FLOW DISTRIBUTION FOR SECNO=     38.64          CWSEL=   1307.09

STA=    9600.    9635.   10803.
  PER Q=        .8      99.2
   AREA=     338.7  22190.4
    VEL=       5.8      10.8

1490 NH CARD USED
*SECNO 38.822
    38.82     31.80  1308.40      .00  1307.68  1309.88      1.48       .95       .03  1292.70
  245000.    33968.  205935.    5097.     4626.   20215.     847.   27296.     2678.   1292.10
     1.40      7.34     10.19     6.01      .035      .036     .040      .000  1276.60  9511.00
  .000823      790.      970.    1020.         2         0        0       .00  1203.46 10714.46


FLOW DISTRIBUTION FOR SECNO=     38.82          CWSEL=   1308.40

STA=    9511.    9693.    9852.   10647.   10714.
  PER Q=       4.4       9.5      84.1       2.1
   AREA=    1813.2    2813.1  20215.5     847.4
    VEL=       5.9       8.3      10.2       6.0

1490 NH CARD USED
*SECNO 39.009

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1315.00 ELREA=     1314.50

    39.01     29.73  1309.23      .00  1308.62  1310.69      1.46       .81       .00  1315.00
  245000.        0.  245000.       0.        0.   25234.       0.   27844.     2703.   1314.50
     1.42       .00      9.71     .00      .035      .037     .040      .000  1279.50  9504.85
  .000900      800.      950.    1000.         2         0        0       .00  1117.38 10622.23


FLOW DISTRIBUTION FOR SECNO=     39.01          CWSEL=   1309.23

STA=    9505.   10673.
  PER Q=     100.0
   AREA=   25233.7
    VEL=       9.7
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 39.098

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1311.90 ELREA=     1313.50

    39.10     28.14  1309.84       .00  1309.28  1311.09      1.26       .38       .02  1311.90
  245000.        0.  245000.        0.        0.   27239.        0.    28133.     2716.   1313.50
     1.44       .00      8.99       .00      .035      .035      .035      .000  1281.70  9472.44
  .000695      400.      480.      530.         2         0         0       .00  1179.25 10651.69

FLOW DISTRIBUTION FOR SECNO=     39.10          CWSEL=   1309.84

STA=    9472.   10657.
  PER Q=    100.0
   AREA=  27239.2
    VEL=      9.0

*SECNO 39.116

3301 HV CHANGED MORE THAN HVINS

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1320.60 ELREA=     1318.90

    39.12     22.50  1309.30       .00  1308.69  1311.45      2.15       .09       .27  1320.60
  245000.        0.  245000.        0.        0.   20836.        0.    28183.     2718.   1318.90
     1.44       .00     11.76       .00      .035      .035      .035      .000  1286.80  9469.42
  .001601       90.       90.       90.         2         0         0       .00  1125.74 10595.16

FLOW DISTRIBUTION FOR SECNO=     39.12          CWSEL=   1309.30

STA=    9469.   10602.
  PER Q=    100.0
   AREA=  20835.7
    VEL=     11.8
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THIS RUN EXECUTED 10/03/88 08:25:55

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  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

SALT RIVER NATURAL 100 Y

SUMMARY PRINTOUT

	SECNO	ELMIN	CWSEL	SSTA	ENDST	TOPWID	DEPTH	Q	HV	DIFWSX	QWEIR	ELTRD	ELLC
	28.358	1199.00	1217.31	5001.92	6330.59	1328.67	18.31	225000.00	1.56	.00	.00	.00	.00
	28.358	1199.00	1218.31	5000.00	6334.08	1334.08	19.31	225000.00	1.39	.00	.00	.00	.00
	28.646	1197.20	1218.03	9318.62	11130.36	1811.74	20.83	225000.00	2.65	.72	.00	.00	.00
	28.646	1197.20	1218.71	9312.15	10900.00	1587.85	21.51	225000.00	2.65	.40	.00	.00	.00
	28.831	1199.00	1220.50	9201.81	11246.71	2044.90	21.50	225000.00	1.17	2.47	.00	.00	.00
	28.831	1199.00	1221.11	9200.00	10900.00	1700.00	22.11	225000.00	1.17	2.40	.00	.00	.00
	29.017	1199.10	1220.99	9105.07	11321.30	2216.23	21.89	225000.00	1.36	.49	.00	.00	.00
	29.017	1199.10	1221.45	9102.74	10750.00	1647.26	22.35	225000.00	1.55	.34	.00	.00	.00
	29.221	1201.50	1221.49	9187.10	10925.68	1738.57	19.99	225000.00	1.85	.50	.00	.00	.00
	29.221	1201.50	1221.84	9400.00	10900.00	1500.00	20.34	225000.00	2.35	.39	.00	.00	.00
	29.473	1203.00	1223.05	8852.45	11422.33	2380.71	20.05	225000.00	1.38	1.57	.00	.00	.00
	29.473	1203.00	1224.07	9150.00	11300.00	2150.00	21.07	225000.00	1.26	2.23	.00	.00	.00
	29.676	1198.40	1224.28	8820.15	11837.41	3017.26	25.88	225000.00	.78	1.22	.00	.00	.00
	29.676	1198.40	1224.80	8850.00	11270.00	2420.00	26.40	225000.00	1.16	.72	.00	.00	.00
*	29.981	1209.10	1224.79	8930.89	10833.33	1900.99	15.69	225000.00	3.89	.51	.00	.00	.00
*	29.981	1209.10	1224.93	9400.00	10820.00	1419.50	15.83	225000.00	4.68	.13	.00	.00	.00
	29.982	1209.10	1225.61	8927.75	10837.59	1909.84	16.51	225000.00	3.16	.82	.00	.00	.00
	29.982	1209.10	1225.88	9400.00	10820.00	1420.00	16.78	225000.00	3.83	.95	.00	.00	.00
*	30.194	1208.80	1229.62	9058.87	10877.73	1818.86	20.82	225000.00	4.17	4.01	.00	.00	.00
*	30.194	1208.80	1229.56	9059.13	10800.00	1740.87	20.76	225000.00	4.26	3.68	.00	.00	.00
	30.195	1208.80	1230.66	9054.70	10894.82	1840.12	21.86	225000.00	3.24	1.04	.00	.00	.00
	30.195	1208.80	1230.59	9054.98	10800.00	1745.02	21.79	225000.00	3.33	1.04	.00	.00	.00

	SECNO	ELMIN	CWSEL	SSTA	ENDST	TOPWID	DEPTH	Q	HV	DIFWSX	QWEIR	ELTRD	ELLC
	30.458	1214.70	1234.02	9347.92	10778.71	1430.80	19.32	227500.00	2.05	3.36	.00	.00	.00
	30.458	1214.70	1234.07	9350.00	10775.00	1425.00	19.37	227500.00	2.04	3.48	.00	.00	.00
	30.815	1216.00	1236.05	9407.83	10943.09	1525.79	20.05	227500.00	2.12	2.03	.00	.00	.00
	30.815	1216.00	1235.96	9409.64	10800.00	1378.95	19.96	227500.00	2.39	1.89	.00	.00	.00
*	31.028	1212.70	1237.73	9098.87	10842.21	1644.54	25.03	227500.00	4.54	1.68	.00	.00	.00
*	31.028	1212.70	1237.53	9418.26	10841.63	1423.37	24.83	227500.00	4.88	1.57	.00	.00	.00
	31.029	1212.70	1238.83	9084.49	10845.28	1679.88	26.13	227500.00	3.55	1.10	.00	.00	.00
	31.029	1212.70	1238.67	9413.56	10844.82	1431.26	25.97	227500.00	3.85	1.14	.00	.00	.00
	31.301	1220.10	1242.85	8021.15	10890.75	2869.61	22.75	227500.00	1.05	4.02	.00	.00	.00
	31.301	1220.10	1243.02	8770.00	10890.00	2120.00	22.92	227500.00	1.06	4.34	.00	.00	.00
	31.522	1224.40	1243.74	8045.09	11516.09	3434.72	19.34	227500.00	.88	.89	.00	.00	.00
	31.522	1224.40	1243.78	8250.00	11450.00	3165.26	19.38	227500.00	1.05	.77	.00	.00	.00
	31.725	1229.50	1244.61	7464.34	12545.06	4339.46	15.11	227500.00	.91	.87	.00	.00	.00
	31.725	1229.50	1244.74	8230.00	11950.00	3428.43	15.24	227500.00	1.21	.96	.00	.00	.00
	31.896	1228.10	1245.50	8297.77	13122.76	4197.49	17.40	227500.00	1.49	.89	.00	.00	.00
	31.896	1228.10	1245.98	8300.00	12000.00	3422.10	17.88	227500.00	1.38	1.23	.00	.00	.00
	32.126	1233.90	1247.85	8092.41	14030.04	4092.72	13.95	227500.00	1.79	2.35	.00	.00	.00
	32.126	1233.90	1247.86	8500.00	11600.00	2697.96	13.96	227500.00	2.05	1.88	.00	.00	.00
	32.127	1233.90	1247.87	8088.63	14030.09	4106.34	13.97	227500.00	1.79	.02	.00	.00	.00
	32.127	1233.90	1247.88	8500.00	11600.00	2699.34	13.98	227500.00	2.05	.02	.00	.00	.00
	32.296	1235.60	1250.43	7298.77	13300.42	5938.25	14.83	227500.00	1.11	2.56	.00	.00	.00
	32.296	1235.60	1250.53	7900.00	11600.00	3700.00	14.93	227500.00	1.54	2.65	.00	.00	.00
	32.465	1238.30	1251.83	7702.90	14771.09	5953.60	13.53	227500.00	1.16	1.40	.00	.00	.00
	32.465	1238.30	1252.37	7875.00	11800.00	3904.44	14.07	227500.00	1.35	1.84	.00	.00	.00
	32.658	1241.20	1253.41	7505.50	12743.88	4455.94	12.21	230000.00	1.17	1.58	.00	.00	.00
	32.658	1241.20	1254.00	8330.00	12000.00	3306.50	12.80	230000.00	1.65	1.63	.00	.00	.00
*	32.862	1240.40	1255.88	6586.39	14781.55	6756.22	15.48	230000.00	1.32	2.47	.00	.00	.00
	32.862	1240.40	1255.94	8350.00	12000.00	3516.17	15.54	230000.00	2.21	1.94	.00	.00	.00
	32.863	1240.40	1255.90	6586.21	14781.58	6766.97	15.50	230000.00	1.32	.02	.00	.00	.00
	32.863	1240.40	1256.05	8350.00	12000.00	3523.16	15.65	230000.00	2.12	.11	.00	.00	.00
	33.023	1239.50	1257.70	8282.64	14404.20	4766.38	18.20	230000.00	1.73	1.80	.00	.00	.00
	33.023	1239.50	1258.64	8450.00	11600.00	3150.00	19.14	230000.00	1.78	2.59	.00	.00	.00
	33.205	1240.90	1260.35	7559.48	15005.78	6798.35	19.45	230000.00	.72	2.65	.00	.00	.00
	33.205	1240.90	1260.97	7862.00	11600.00	3738.00	20.07	230000.00	.99	2.33	.00	.00	.00

	SECNO	ELMIN	CWSEL	SSTA	ENDST	TOPWID	DEPTH	Q	HV	DIFWSX	QWEIR	ELTRD	ELLC
	33.385	1242.90	1261.40	7755.19	15163.43	7408.25	18.50	230000.00	.55	1.05	.00	.00	.00
	33.385	1242.90	1262.06	7754.13	11600.00	3845.87	19.16	230000.00	.90	1.10	.00	.00	.00
	33.557	1243.50	1262.14	7729.73	15334.54	7173.11	18.64	230000.00	.71	.74	.00	.00	.00
	33.557	1243.50	1262.98	7730.00	11600.00	3870.00	19.48	230000.00	.91	.92	.00	.00	.00
	33.726	1243.90	1263.08	7801.48	15066.89	6978.59	19.18	232500.00	.91	.94	.00	.00	.00
	33.726	1243.90	1263.93	7799.30	11450.00	3650.69	20.03	232500.00	.92	.94	.00	.00	.00
	33.892	1245.70	1263.99	8028.53	13757.24	4636.24	18.29	232500.00	1.58	.91	.00	.00	.00
	33.892	1245.70	1264.72	8030.00	11300.00	3270.00	19.02	232500.00	1.31	.80	.00	.00	.00
	34.091	1248.00	1266.01	7634.80	12111.41	3672.08	18.01	232500.00	1.10	2.02	.00	.00	.00
	34.091	1248.00	1266.18	8450.00	11220.00	2770.00	18.18	232500.00	1.61	1.46	.00	.00	.00
*	34.271	1248.00	1266.30	8743.58	11709.31	2495.52	18.30	232500.00	3.31	.29	.00	.00	.00
	34.271	1248.00	1267.10	8859.60	11016.60	2157.00	19.10	232500.00	3.27	.92	.00	.00	.00
*	34.272	1248.00	1266.93	8742.15	11740.48	2572.74	18.93	232500.00	2.75	.63	.00	.00	.00
	34.272	1248.00	1267.28	8859.60	11016.60	2157.00	19.28	232500.00	3.13	.18	.00	.00	.00
	34.453	1249.50	1269.88	8880.72	14209.14	4288.01	20.38	232500.00	2.24	2.95	.00	.00	.00
	34.453	1249.50	1270.70	8878.54	11140.00	2261.45	21.20	232500.00	2.05	3.42	.00	.00	.00
	34.642	1247.90	1272.19	9060.47	14707.36	3930.65	24.29	235000.00	2.08	2.31	.00	.00	.00
	34.642	1247.90	1272.51	9060.00	11170.00	2110.00	24.61	235000.00	2.12	1.81	.00	.00	.00
	34.856	1251.90	1274.35	8856.40	14261.51	3544.05	22.45	235000.00	1.33	2.16	.00	.00	.00
	34.856	1251.90	1274.50	9100.00	11180.00	2080.00	22.60	235000.00	1.53	1.99	.00	.00	.00
	35.136	1256.30	1275.65	8843.88	13949.01	4080.23	19.35	235000.00	1.38	1.30	.00	.00	.00
	35.136	1256.30	1276.01	8850.00	11160.00	2310.00	19.71	235000.00	1.39	1.51	.00	.00	.00
	35.297	1255.90	1276.45	8715.74	12040.30	3294.70	20.55	235000.00	1.66	.80	.00	.00	.00
	35.297	1255.90	1276.81	8720.00	11250.00	2530.00	20.91	235000.00	1.58	.80	.00	.00	.00
	35.480	1256.30	1277.74	8633.34	11680.70	2625.74	21.44	235000.00	1.33	1.29	.00	.00	.00
	35.480	1256.30	1278.00	8855.15	11350.00	2494.85	21.70	235000.00	1.28	1.19	.00	.00	.00
	35.661	1258.00	1278.56	8524.89	11409.80	2706.36	20.56	237500.00	1.52	.82	.00	.00	.00
	35.661	1258.00	1278.76	8807.39	11400.00	2592.60	20.76	237500.00	1.47	.76	.00	.00	.00
	36.011	1260.50	1280.72	8236.51	10845.10	2198.61	20.22	237500.00	1.97	2.16	.00	.00	.00
	36.011	1260.50	1280.78	8750.00	10845.26	2095.26	20.28	237500.00	2.02	2.02	.00	.00	.00
	36.203	1262.10	1282.00	8146.74	10754.13	2084.87	19.90	237500.00	2.38	1.28	.00	.00	.00
	36.203	1262.10	1282.01	8734.61	10700.00	1965.39	19.91	237500.00	2.57	1.23	.00	.00	.00
	36.403	1265.30	1283.54	8461.60	10754.79	1976.83	18.24	237500.00	3.35	1.54	.00	.00	.00
	36.403	1265.30	1283.71	8801.22	10750.00	1922.20	18.41	237500.00	3.34	1.70	.00	.00	.00

SECNO	ELMIN	CWSEL	SSTA	ENDST	TOPWID	DEPTH	Q	HV	DIFWSX	QWEIR	ELTRD	ELLC
36.595	1262.60	1285.53	8782.12	10642.39	1675.33	22.93	237500.00	4.27	1.99	.00	.00	.00
36.595	1262.60	1285.61	9036.52	10642.60	1606.08	23.01	237500.00	4.31	1.90	.00	.00	.00
36.775	1265.70	1288.00	9081.53	10639.01	1450.94	22.30	240000.00	4.23	2.47	.00	.00	.00
36.775	1265.70	1288.02	9259.72	10639.04	1379.32	22.32	240000.00	4.34	2.42	.00	.00	.00
36.953	1268.40	1291.81	9294.88	10794.54	1499.65	23.41	240000.00	1.88	3.81	.00	.00	.00
36.953	1268.40	1291.89	9440.00	10794.76	1354.76	23.49	240000.00	1.94	3.87	.00	.00	.00
37.152	1272.50	1292.82	9454.36	10992.75	1538.39	20.32	240000.00	1.88	1.00	.00	.00	.00
37.152	1272.50	1292.80	9454.39	10800.00	1345.61	20.30	240000.00	2.17	.91	.00	.00	.00
37.328	1270.90	1294.08	9340.47	11251.18	1899.72	23.18	240000.00	1.87	1.26	.00	.00	.00
37.328	1270.90	1294.17	9351.00	10701.00	1339.73	23.27	240000.00	2.18	1.37	.00	.00	.00
37.523	1273.00	1295.16	9390.22	10741.22	1351.00	22.16	240000.00	2.30	1.08	.00	.00	.00
37.523	1273.00	1295.52	9450.00	10720.00	1270.00	22.52	240000.00	2.24	1.35	.00	.00	.00
37.720	1274.00	1295.67	9512.30	10673.32	984.97	21.67	242500.00	4.13	.52	.00	.00	.00
37.720	1274.00	1295.98	9571.25	10481.53	910.27	21.98	242500.00	3.99	.46	.00	.00	.00
37.898	1274.50	1299.48	9552.89	10842.87	1260.65	24.98	242500.00	2.55	3.80	.00	.00	.00
37.898	1274.50	1299.45	9711.20	10615.00	903.80	24.95	242500.00	2.74	3.47	.00	.00	.00
38.074	1276.10	1301.93	9448.33	10770.60	1322.27	25.83	242500.00	1.95	2.45	.00	.00	.00
38.074	1276.10	1302.07	9700.00	10753.60	1053.60	25.97	242500.00	2.04	2.62	.00	.00	.00
38.261	1274.20	1303.69	9464.07	10845.74	1381.67	29.49	242500.00	1.86	1.77	.00	.00	.00
38.261	1274.20	1303.65	9800.00	10845.52	1045.52	29.45	242500.00	2.48	1.58	.00	.00	.00
38.439	1276.40	1305.19	9498.32	10847.57	1349.25	28.79	242500.00	1.63	1.50	.00	.00	.00
38.439	1276.40	1305.69	9750.00	10848.46	1098.46	29.29	242500.00	1.97	2.04	.00	.00	.00
38.636	1277.20	1306.17	9528.83	10793.21	1264.38	28.97	242500.00	1.98	.98	.00	.00	.00
38.636	1277.20	1307.09	9600.00	10795.71	1195.71	29.89	242500.00	1.81	1.40	.00	.00	.00
38.822	1276.60	1307.68	9514.20	10713.13	1198.93	31.08	245000.00	1.59	1.51	.00	.00	.00
38.822	1276.60	1308.40	9511.00	10714.46	1203.46	31.80	245000.00	1.48	1.31	.00	.00	.00
39.009	1279.50	1308.62	9508.93	10620.79	1111.86	29.12	245000.00	1.55	.94	.00	.00	.00
39.009	1279.50	1309.23	9504.85	10622.23	1117.38	29.73	245000.00	1.46	.83	.00	.00	.00
39.098	1281.70	1309.28	9473.30	10650.82	1177.52	27.58	245000.00	1.32	.66	.00	.00	.00
39.098	1281.70	1309.84	9472.44	10651.69	1179.25	28.14	245000.00	1.26	.61	.00	.00	.00
39.116	1286.80	1308.69	9469.89	10594.73	1124.84	21.89	245000.00	2.30	-.58	.00	.00	.00
39.116	1286.80	1309.30	9469.42	10595.16	1125.74	22.50	245000.00	2.15	-.53	.00	.00	.00

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SUMMARY PRINTOUT TABLE 110

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
	28.358	1217.31	.00	1218.87	1328.67	.00	225000.00	.00	.00	.00	5000.00	6340.00	.00
	28.358	1218.31	.00	1219.70	1334.08	.00	225000.00	.00	.00	.00	5000.00	6340.00	.00
	28.646	1218.03	.00	1220.68	1811.74	37595.02	171888.80	15516.19	.00	.00	9945.60	10770.20	.00
	28.646	1218.71	.68	1221.36	1587.85	41809.62	177395.70	5794.70	1600.00	9300.00	9945.60	10770.20	10900.00
	28.831	1220.50	.00	1221.67	2044.90	129615.80	59965.29	35418.89	.00	.00	10185.70	10495.80	.00
	28.831	1221.11	.61	1222.28	1700.00	132889.70	60776.56	31333.72	1700.00	9200.00	10185.70	10495.80	10900.00
	29.017	1220.99	.00	1222.35	2216.23	62915.59	138617.50	23466.90	.00	.00	9861.50	10619.80	.00
	29.017	1221.45	.46	1223.00	1647.26	68756.31	147793.00	8450.66	1650.00	9100.00	9861.50	10619.80	10750.00
	29.221	1221.49	.00	1223.34	1738.57	72300.27	122773.80	29925.88	.00	.00	9684.70	10402.60	.00
	29.221	1221.84	.36	1224.19	1500.00	48773.42	141628.10	34598.43	1500.00	9400.00	9684.70	10402.60	10900.00
	29.473	1223.05	.00	1224.44	2380.71	38548.15	122749.50	63702.36	.00	.00	9369.60	10096.70	.00
	29.473	1224.07	1.02	1225.33	2150.00	36742.21	122664.00	65593.80	2150.00	9150.00	9369.60	10096.70	11300.00
	29.676	1224.28	.00	1225.06	3017.26	30431.71	52907.75	141660.50	.00	.00	9012.50	9284.30	.00
	29.676	1224.80	.52	1225.96	2420.00	30473.69	65817.49	128708.80	2420.00	8850.00	9012.50	9284.30	11270.00
*	29.981	1224.79	.00	1228.68	1900.99	9090.54	115236.30	100673.20	.00	.00	9163.40	10000.00	.00
*	29.981	1224.93	.14	1229.61	1419.50	.00	124892.90	100107.10	1420.00	9400.00	9163.40	10000.00	10820.00
	29.982	1225.61	.00	1228.78	1909.84	10505.60	114050.40	100444.00	.00	.00	9163.40	10000.00	.00
	29.982	1225.88	.27	1229.71	1420.00	.00	122256.60	102743.50	1420.00	9400.00	9163.40	10000.00	10820.00
*	30.194	1229.62	.00	1233.80	1818.86	.00	194895.80	30104.19	.00	.00	9032.10	10000.00	.00
*	30.194	1229.56	-.07	1233.82	1740.87	.00	195472.40	29527.57	1746.00	9054.00	9032.10	10000.00	10800.00
	30.195	1230.66	.00	1233.90	1840.12	.00	188157.00	36842.99	.00	.00	9032.10	10000.00	.00
	30.195	1230.59	-.07	1233.92	1745.02	.00	189180.90	35819.10	1746.00	9054.00	9032.10	10000.00	10800.00
	30.458	1234.02	.00	1236.07	1430.80	.00	227499.90	.13	.00	.00	9333.50	10777.30	.00
	30.458	1234.07	.05	1236.11	1425.00	.00	227500.00	.00	1425.00	9350.00	9333.50	10777.30	10775.00
	30.815	1236.05	.00	1238.18	1525.79	1360.66	226139.30	.00	.00	.00	9568.20	11136.30	.00
	30.815	1235.96	-.09	1238.35	1378.95	1331.32	226168.70	.00	1490.00	9310.00	9568.20	11136.30	10800.00
*	31.028	1237.73	.00	1242.28	1644.54	74127.64	139348.30	14024.04	.00	.00	10322.80	10772.20	.00
*	31.028	1237.53	-.21	1242.40	1423.37	71901.59	141374.60	14223.79	1435.00	9410.00	10322.80	10772.20	10845.00
	31.029	1238.83	.00	1242.39	1679.88	81113.20	132964.20	13422.63	.00	.00	10322.80	10772.20	.00
	31.029	1238.67	-.16	1242.52	1431.26	78340.25	135490.60	13669.16	1435.00	9410.00	10322.80	10772.20	10845.00
	31.301	1242.85	.00	1243.90	2869.61	57985.14	168093.20	1421.70	.00	.00	9689.60	10867.50	.00
	31.301	1243.02	.16	1244.07	2120.00	57193.01	168866.60	1440.35	2120.00	8770.00	9689.60	10867.50	10890.00

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
31.522	1243.74	.00	1244.62	3434.72	47636.61	179863.40	.00	.00	.00	9428.60	11538.90	.00
31.522	1243.78	.04	1244.83	3165.26	37750.95	189749.00	.00	3200.00	8250.00	9428.60	11538.90	11450.00
31.725	1244.61	.00	1245.52	4339.46	47248.95	120482.60	59768.44	.00	.00	9544.00	11019.80	.00
31.725	1244.74	.13	1245.95	3428.43	44795.34	137666.30	45038.38	3720.00	8230.00	9544.00	11019.80	11950.00
31.896	1245.50	.00	1246.99	4197.49	76511.30	146461.30	4527.37	.00	.00	9650.20	12145.50	.00
31.896	1245.98	.47	1247.35	3422.10	75994.33	151505.70	.00	3700.00	8300.00	9650.20	12145.50	12000.00
32.126	1247.85	.00	1249.64	4092.72	.18	218473.80	9026.09	.00	.00	8480.80	11726.60	.00
32.126	1247.86	.01	1249.91	2697.96	.00	227500.00	.00	3100.00	8500.00	8480.80	11726.60	11600.00
32.127	1247.87	.00	1249.66	4106.34	.31	218408.70	9091.03	.00	.00	8480.80	11726.60	.00
32.127	1247.88	.00	1249.92	2699.34	.00	227500.00	.00	3100.00	8500.00	8480.80	11726.60	11600.00
32.296	1250.43	.00	1251.54	5938.25	116517.30	85753.15	25229.55	.00	.00	9694.30	11211.10	.00
32.296	1250.53	.10	1252.07	3700.00	128087.80	97876.24	1535.95	3700.00	7900.00	9694.30	11211.10	11600.00
32.465	1251.83	.00	1252.99	5953.60	139903.50	70035.86	17560.69	.00	.00	9925.90	11161.40	.00
32.465	1252.37	.54	1253.72	3904.44	148103.20	76980.25	2416.58	3925.00	7875.00	9925.90	11161.40	11800.00
32.658	1253.41	.00	1254.58	4455.94	48531.00	169731.30	11737.75	.00	.00	8440.50	11144.40	.00
32.658	1254.00	.59	1255.65	3306.50	3607.00	212114.50	14278.47	3670.00	8330.00	8440.50	11144.40	12000.00
* 32.862	1255.88	.00	1257.21	6756.22	51880.13	164119.70	14000.17	.00	.00	8493.60	11352.70	.00
32.862	1255.94	.06	1258.15	3516.17	9635.90	205579.10	14785.05	3650.00	8350.00	8493.60	11352.70	12000.00
32.863	1255.90	.00	1257.22	6766.97	51899.75	164058.80	14041.48	.00	.00	8493.60	11352.70	.00
32.863	1256.05	.15	1258.18	3523.16	9614.75	205339.80	15025.46	3650.00	8350.00	8493.60	11352.70	12000.00
33.023	1257.70	.00	1259.43	4766.38	.00	184127.60	45872.41	.00	.00	8281.20	11327.70	.00
33.023	1258.64	.94	1260.42	3150.00	.00	189262.90	40737.15	3150.00	8450.00	8281.20	11327.70	11600.00
33.205	1260.35	.00	1261.07	6798.35	26634.24	149207.30	54158.47	.00	.00	8080.80	11345.80	.00
33.205	1260.97	.62	1261.96	3738.00	24164.51	179574.20	26261.30	3738.00	7862.00	8080.80	11345.80	11600.00
33.385	1261.40	.00	1261.95	7408.25	.00	166419.80	63580.22	.00	.00	7749.30	11448.00	.00
33.385	1262.06	.67	1262.96	3845.87	.00	215512.50	14487.50	3851.00	7749.00	7749.30	11448.00	11600.00
33.557	1262.14	.00	1262.85	7173.11	1435.86	174102.80	54461.31	.00	.00	7752.40	11413.90	.00
33.557	1262.98	.84	1263.90	3870.00	1600.32	206504.90	21894.80	3870.00	7730.00	7752.40	11413.90	11600.00
33.726	1263.08	.00	1263.98	6978.59	.00	208370.20	24129.79	.00	.00	7794.30	11232.50	.00
33.726	1263.93	.85	1264.85	3650.69	.00	225389.00	7111.01	3656.00	7794.00	7794.30	11232.50	11450.00
33.892	1263.99	.00	1265.56	4636.24	3498.38	224642.80	4358.81	.00	.00	8069.20	11130.40	.00
33.892	1264.72	.74	1266.03	3270.00	3425.53	224703.90	4370.60	3270.00	8030.00	8069.20	11130.40	11300.00
34.091	1266.01	.00	1267.11	3672.08	52312.75	169826.00	10361.25	.00	.00	8453.80	10924.90	.00
34.091	1266.18	.17	1267.79	2770.00	363.26	220409.80	11726.93	2770.00	8450.00	8453.80	10924.90	11220.00

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
*	34.271	1266.30	.00	1269.61	2495.52	.00	232452.80	47.26	.00	.00	8723.00	11150.10	.00
	34.271	1267.10	.80	1270.37	2157.00	.00	232500.00	.00	2157.00	8859.60	8723.00	11150.10	11016.60
*	34.272	1266.93	.00	1269.68	2572.74	.00	232293.60	206.43	.00	.00	8723.00	11150.10	.00
	34.272	1267.28	.35	1270.40	2157.00	.00	232500.00	.00	2157.00	8859.60	8723.00	11150.10	11016.60
	34.453	1269.88	.00	1272.12	4288.01	3280.39	225206.60	4012.97	.00	.00	8920.60	11281.70	.00
	34.453	1270.70	.82	1272.75	2261.45	3335.32	229164.70	.00	2270.00	8870.00	8920.60	11281.70	11140.00
	34.642	1272.19	.00	1274.27	3930.65	3466.12	224933.20	6600.72	.00	.00	9095.10	11178.90	.00
	34.642	1272.51	.32	1274.62	2110.00	3545.81	231454.20	.00	2110.00	9060.00	9095.10	11178.90	11170.00
	34.856	1274.35	.00	1275.68	3544.05	9027.58	223102.50	2869.98	.00	.00	9126.90	11496.60	.00
	34.856	1274.50	.15	1276.03	2080.00	2577.70	232422.30	.00	2080.00	9100.00	9126.90	11496.60	11180.00
	35.136	1275.65	.00	1277.04	4080.23	73923.38	153696.90	7379.78	.00	.00	9646.30	10892.10	.00
	35.136	1276.01	.36	1277.41	2310.00	75997.26	156980.80	2021.91	2310.00	8850.00	9646.30	10892.10	11160.00
	35.297	1276.45	.00	1278.11	3294.70	128756.60	103437.40	2806.05	.00	.00	10436.30	10969.60	.00
	35.297	1276.81	.36	1278.39	2530.00	131396.00	102726.20	877.86	2530.00	8720.00	10436.30	10969.60	11250.00
	35.480	1277.74	.00	1279.07	2625.74	103684.20	97154.99	34160.79	.00	.00	10498.80	11026.90	.00
	35.480	1278.00	.26	1279.28	2494.85	104984.50	96262.32	33753.21	2500.00	8850.00	10498.80	11026.90	11350.00
	35.661	1278.56	.00	1280.07	2706.36	85283.09	113134.90	39082.05	.00	.00	10209.20	11055.00	.00
	35.661	1278.76	.20	1280.22	2592.60	85918.25	112685.80	38896.00	2610.00	8790.00	10209.20	11055.00	11400.00
	36.011	1280.72	.00	1282.69	2198.61	61416.41	176083.60	.00	.00	.00	9618.60	10862.50	.00
	36.011	1280.78	.06	1282.80	2095.26	58856.65	178643.30	.00	2100.00	8750.00	9618.60	10862.50	10850.00
	36.203	1282.00	.00	1284.38	2084.87	36099.75	201400.20	.00	.00	.00	9495.80	10769.00	.00
	36.203	1282.01	.01	1284.58	1965.39	35142.35	202357.60	.00	1970.00	8730.00	9495.80	10769.00	10700.00
	36.403	1283.54	.00	1286.89	1976.83	31778.00	205722.00	.00	.00	.00	9583.80	10761.50	.00
	36.403	1283.71	.17	1287.05	1922.20	29822.80	207677.20	.00	1950.00	8800.00	9583.80	10761.50	10750.00
	36.595	1285.53	.00	1289.80	1675.33	48053.95	189446.10	.00	.00	.00	9914.60	10666.50	.00
	36.595	1285.61	.08	1289.92	1606.08	46943.02	190557.00	.00	1620.00	9030.00	9914.60	10666.50	10650.00
	36.775	1288.00	.00	1292.23	1450.94	58293.51	181706.50	.00	.00	.00	10039.00	10680.30	.00
	36.775	1288.02	.02	1292.36	1379.32	56837.63	183162.40	.00	1400.00	9250.00	10039.00	10680.30	10650.00
	36.953	1291.81	.00	1293.69	1499.65	54331.71	185668.30	.00	.00	.00	9875.70	10831.70	.00
	36.953	1291.89	.08	1293.84	1354.76	51997.99	188002.00	.00	1360.00	9440.00	9875.70	10831.70	10800.00
	37.152	1292.82	.00	1294.70	1538.39	.00	222741.50	17258.45	.00	.00	9429.30	10631.80	.00
	37.152	1292.80	-.02	1294.97	1345.61	.00	234843.00	5156.97	1350.00	9450.00	9429.30	10631.80	10800.00
	37.328	1294.08	.00	1295.95	1899.72	72.93	228713.80	11213.30	.00	.00	9388.60	10751.30	.00
	37.328	1294.17	.10	1296.35	1339.73	65.85	239934.10	.00	1350.00	9351.00	9388.60	10751.30	10701.00

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
37.523	1295.16	.00	1297.46	1351.00	.00	211725.80	28274.19	.00	.00	9368.70	10437.90	.00
37.523	1295.52	.36	1297.76	1270.00	.00	211213.80	28786.18	1270.00	9450.00	9368.70	10437.90	10720.00
37.720	1295.67	.00	1299.81	984.97	88.76	242352.90	58.39	.00	.00	9561.40	10487.30	.00
37.720	1295.98	.31	1299.97	910.27	.00	242500.00	.00	925.90	9561.40	9561.40	10487.30	10487.30
37.898	1299.48	.00	1302.03	1260.65	4854.02	236797.80	848.23	.00	.00	9711.20	10615.00	.00
37.898	1299.45	-.03	1302.19	903.80	.00	242500.00	.00	903.80	9711.20	9711.20	10615.00	10615.00
38.074	1301.93	.00	1303.88	1322.27	28217.40	214280.50	2.07	.00	.00	9875.80	10753.60	.00
38.074	1302.07	.14	1304.11	1053.60	25590.79	216909.20	.00	1053.60	9700.00	9875.80	10753.60	10753.60
38.261	1303.69	.00	1305.56	1381.67	65854.12	176645.90	.00	.00	.00	10141.90	10880.50	.00
38.261	1303.65	-.04	1306.12	1045.52	44184.32	198315.70	.00	1050.00	9800.00	10141.90	10880.50	10850.00
38.439	1305.19	.00	1306.82	1349.25	48725.74	193774.30	.00	.00	.00	10000.00	10857.40	.00
38.439	1305.69	.50	1307.66	1098.46	28847.08	213652.90	.00	1107.40	9750.00	10000.00	10857.40	10857.40
38.636	1306.17	.00	1308.16	1264.38	2664.47	239835.50	.00	.00	.00	9635.20	10802.60	.00
38.636	1307.09	.91	1308.90	1195.71	1978.83	240521.20	.00	1202.60	9600.00	9635.20	10802.60	10802.60
38.822	1307.68	.00	1309.27	1198.93	32960.40	207096.50	4943.14	.00	.00	9851.80	10647.40	.00
38.822	1308.40	.72	1309.88	1203.46	33968.09	205935.00	5096.90	.00	.00	9851.80	10647.40	.00
39.009	1308.62	.00	1310.17	1111.86	.00	245000.00	.00	.00	.00	9458.70	10672.90	.00
39.009	1309.23	.61	1310.69	1117.38	.00	245000.00	.00	.00	.00	9458.70	10672.90	.00
39.098	1309.28	.00	1310.60	1177.52	.00	245000.00	.00	.00	.00	9451.90	10657.40	.00
39.098	1309.84	.56	1311.09	1179.25	.00	245000.00	.00	.00	.00	9451.90	10657.40	.00
39.116	1308.69	.00	1310.99	1124.84	.00	245000.00	.00	.00	.00	9460.80	10602.00	.00
39.116	1309.30	.61	1311.45	1125.74	.00	245000.00	.00	.00	.00	9460.80	10602.00	.00

SUMMARY OF ERRORS AND SPECIAL NOTES

```
CAUTION  SECNO=    29.981  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    29.981  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    29.981  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=    29.981  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    29.981  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    29.981  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    30.194  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    30.194  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    30.194  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    30.194  PROFILE= 2  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    31.028  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    31.028  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    31.028  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=    31.028  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    31.028  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    31.028  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    32.862  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    32.862  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    32.862  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    34.271  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    34.271  PROFILE= 1  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    34.272  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
```

FLOODWAY DATA, SALT RIVER NATURAL 100 Y
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	DIFFERENCE
28.358	1334.	23800.	9.5	1218.3	1217.3	1.0
28.646	1588.	18142.	12.4	1218.7	1218.0	.7
28.831	1700.	26347.	8.5	1221.1	1220.5	.6
29.017	1647.	23284.	9.7	1221.5	1221.0	.5
29.221	1500.	18873.	11.9	1221.9	1221.5	.4
29.473	2150.	26527.	8.5	1224.1	1223.1	1.0
29.676	2420.	28120.	8.0	1224.8	1224.3	.5
29.981	1420.	13140.	17.1	1224.9	1224.8	.1
29.982	1420.	14497.	15.5	1225.9	1225.6	.3
30.194	1741.	14565.	15.4	1229.6	1229.6	.0
30.195	1745.	16368.	13.7	1230.7	1230.7	.0
30.458	1425.	19854.	11.5	1234.1	1234.0	.1
30.815	1390.	18540.	12.3	1236.1	1236.1	.0
31.028	1423.	13811.	16.5	1237.6	1237.7	-.1
31.029	1431.	15439.	14.7	1238.7	1238.8	-.1
31.301	2120.	28211.	8.1	1243.1	1242.9	.2
31.522	3200.	28060.	8.1	1243.7	1243.7	.0
31.725	3720.	26242.	8.7	1244.7	1244.6	.1
31.896	3700.	24272.	9.4	1246.0	1245.5	.5
32.126	3100.	19784.	11.5	1247.9	1247.9	.0
32.127	3100.	19808.	11.5	1247.9	1247.9	.0
32.296	3700.	23152.	9.8	1250.5	1250.4	.1
32.465	3925.	25188.	9.0	1252.3	1251.8	.5
32.658	3670.	22654.	10.2	1254.0	1253.4	.6
32.862	3650.	19462.	11.8	1256.0	1255.9	.1
32.863	3650.	19867.	11.6	1256.1	1255.9	.2
33.023	3150.	22045.	10.4	1258.6	1257.7	.9
33.205	3738.	29263.	7.9	1261.0	1260.4	.6
33.385	3846.	30331.	7.6	1262.1	1261.4	.7
33.557	3870.	30305.	7.6	1262.9	1262.1	.8
33.726	3651.	30453.	7.6	1263.9	1263.1	.8
33.892	3270.	25464.	9.1	1264.7	1264.0	.7
34.091	2770.	22976.	10.1	1266.2	1266.0	.2
34.271	2157.	16010.	14.5	1267.1	1266.3	.8
34.272	2157.	16380.	14.2	1267.2	1266.9	.3
34.453	2261.	20222.	11.5	1270.7	1269.9	.8
34.642	2110.	20140.	11.7	1272.5	1272.2	.3
34.856	2080.	23752.	9.9	1274.5	1274.4	.1
35.136	2310.	25208.	9.3	1276.1	1275.7	.4
35.297	2530.	24623.	9.5	1276.8	1276.4	.4
35.480	2495.	27210.	8.6	1278.0	1277.7	.3
35.661	2593.	24926.	9.5	1278.8	1278.6	.2

FLOODWAY DATA, SALT RIVER NATURAL 100 Y
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	DIFFERENCE
36.011	2095.	21218.	11.2	1280.8	1280.7	.1
36.203	1965.	19112.	12.4	1282.0	1282.0	.0
36.403	1949.	16906.	14.0	1283.7	1283.5	.2
36.595	1606.	15434.	15.4	1285.6	1285.5	.1
36.775	1379.	15414.	15.6	1288.0	1288.0	.0
36.953	1355.	21697.	11.1	1291.9	1291.8	.1
37.152	1346.	20776.	11.6	1292.8	1292.8	.0
37.328	1350.	20290.	11.8	1294.2	1294.1	.1
37.523	1270.	20236.	11.9	1295.6	1295.2	.4
37.720	910.	15133.	16.0	1296.0	1295.7	.3
37.898	904.	18258.	13.3	1299.5	1299.5	.0
38.074	1054.	21179.	11.5	1302.0	1301.9	.1
38.261	1046.	19562.	12.4	1303.7	1303.7	.0
38.439	1098.	21826.	11.1	1305.7	1305.2	.5
38.636	1196.	22529.	10.8	1307.1	1306.2	.9
38.822	1203.	25689.	9.5	1308.4	1307.7	.7
39.009	1117.	25234.	9.7	1309.2	1308.6	.6
39.098	1179.	27239.	9.0	1309.9	1309.3	.6
39.116	1126.	20836.	11.8	1309.3	1308.7	.6

THIS RUN EXECUTED 10/03/88 08:27:11

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
**************************************************
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User: MISCHJ -at PHX

<MFD2.3>U307.0>FIS>SALT.0

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*****************************************************************************************************************************
*****************************************************************************************************************************

W   W  WWW   WWW   WWW  W   W   WWW
WW WW   W   W   W W   W W   W    W
W W W   W   W     W     W   W    W
W W W   W    WWW  W     WWWWW    W
W   W   W       W W     W   W W  W
W   W   W   W   W W   W W   W W  W
W   W  WWW   WWW   WWW  W   W  WW



 WWW   WWW  W     WWWWW        WWW
W   W W   W W       W         W   W
W     W   W W       W         W   W
 WWW  WWWWW W       W         W   W
     W W   W W       W         W   W
W   W W   W W       W     WW  W   W
 WWW  W   W WWWWW   W     WW   WWW

*****************************************************************************************************************************
*****************************************************************************************************************************
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[Spooler rev 20.2.1 (c) Prime Computer, Inc., 1986]

Label: PRT051 -form

Pathname: <MFD2.3>U307.0>FIS>SALT.0
File last modified: 88-10-03.14:36:52.Mon

Spooled: 88-10-03.14:39:24.Mon
Started: 88-10-03.14:41:20.Mon on: AMLC by: PHX

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*****************************************
*  WATER SURFACE PROFILES               *
*  VERSION OF NOVEMBER 1976             *
*  UPDATED MAY 1984                     *
*  IBM-PC-XT VERSION                    *
*  RUN DATE  10/01/88  TIME  09:09:09   *
*****************************************
```

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*****************************************
*  U.S. ARMY CORPS OF ENGINEERS         *
*  THE HYDROLOGIC ENGINEERING CENTER    *
*  609 SECOND STREET, SUITE D           *
*  DAVIS, CALIFORNIA 95616              *
*  (916) 440-2105 (FTS) 448-2105        *
*****************************************
```

```
X     X  XXXXXXX   XXXXX              XXXXX
X     X  X        X     X            X     X
X     X  X        X                        X
XXXXXXX  XXXX     X          XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX   XXXXX             XXXXXXX
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THIS RUN EXECUTED 10/01/88 09:09:12

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
**************************************************
```

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C
T1 SALT RIVER FLOOD INSURANCE STUDY, COUNTRY CLUB TO GRANITE REEF
T2 FOR FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  1986
T3      SALT RIVER NATURAL 100 YEAR     BY J.MISCHLER, BURGESS AND NIPLE

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      0.        2.        0.        0.   .000000      .00       .0        0.  1217.310     .000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

    1.000      .000    -1.000      .000      .000      .000      .000      .000      .000      .000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

   38.000    42.000     1.000    53.000    54.000     4.000     8.000    43.000    10.000    51.000

   46.000    40.000    41.000      .000   110.000      .000   200.000      .000      .000      .000

NC      .025      .025      .025      .300      .500      .000      .000      .000      .000      .000
QT     2.000 225000.000 225000.000      .000      .000      .000      .000      .000      .000      .000
X1    28.358     6.000   5000.000   6340.000      .000      .000      .000      .000      .000      .000
X2      .000      .000      .000      .000      .000      .000      .000      .000      .000    15.000
GR  1218.000   5000.000  1200.000   5050.000  1200.000   5450.000  1199.000   5800.000  1200.000   6270.000
GR  1220.000   6340.000      .000      .000      .000      .000      .000      .000      .000      .000

NC      .025      .025      .025      .100      .300      .000      .000      .000      .000      .000
NH     2.000      .035   9300.000      .025  11999.200      .000      .000      .000      .000      .000
ET      .000      .000      4.100   9300.000  10900.000      .000      .000      .000      .000      .000
X1    28.646    17.000   9945.600  10770.200   1650.000   1450.000   1520.000      .000      .000      .000
X2      .000      .000      .000      .000      .000      .000      .000      .000      .000    15.000
GR  1220.500   9080.600  1220.000   9300.000  1212.700   9369.100  1208.900   9502.000  1207.500   9637.000
GR  1211.800   9692.500  1213.700   9945.600  1213.000  10000.000  1208.800  10083.000  1197.400  10329.400
GR  1197.200  10519.900  1202.700  10659.800  1213.000  10770.200  1211.100  11085.400  1221.600  11153.500
GR  1221.200  11569.900  1222.500  11999.200      .000      .000      .000      .000      .000      .000

NC      .025      .025      .025      .000      .000      .000      .000      .000      .000      .000
ET      .000      .000      4.100   9200.000  10900.000      .000      .000      .000      .000      .000
X1    28.831    17.000  10185.700  10495.800   950.000   1010.000   1000.000      .000      .000      .000
X2      .000      .000      .000      .000      .000      .000      .000      .000      .000    15.000
GR  1223.900   8570.200  1221.000   8772.900  1221.000   8851.300  1221.000   9200.000  1199.000   9280.000
GR  1199.000   9450.000  1210.500   9515.900  1205.000   9859.900  1205.400  10000.000  1204.700  10185.700
GR  1199.400  10253.000  1199.400  10404.000  1207.100  10495.800  1207.600  10651.400  1217.400  10992.500
GR  1212.900  11123.000  1224.200  11306.900      .000      .000      .000      .000      .000      .000
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ET	.000	.000	4.100	9100.000	10750.000	.000	.000	.000	.000	.000
X1	29.017	16.000	9861.500	10619.800	1000.000	1020.000	1020.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1222.000	8929.300	1222.000	8967.900	1222.000	9100.000	1206.300	9178.900	1211.500	9444.800
GR	1209.400	9861.500	1199.800	10000.000	1199.400	10060.900	1204.100	10185.600	1204.700	10522.000
GR	1199.100	10576.700	1215.300	10619.800	1213.300	10637.100	1211.500	10693.300	1210.000	10750.000
GR	1230.200	11800.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	9400.000	10900.000	.000	.000	.000	.000	.000
X1	29.221	27.000	9684.700	10402.600	950.000	970.000	1020.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1227.500	6376.000	1227.700	6959.700	1225.000	7824.900	1225.000	8100.900	1225.200	8132.200
GR	1225.000	8235.300	1225.000	8413.800	1225.000	8430.500	1225.000	8470.700	1225.000	8660.400
GR	1234.900	8945.900	1231.400	9076.700	1225.000	9117.700	1221.900	9185.800	1206.700	9233.800
GR	1207.700	9409.000	1208.000	9684.700	1204.300	9906.700	1202.200	10000.000	1201.500	10003.000
GR	1209.200	10231.100	1213.500	10402.600	1214.200	10756.200	1212.500	10900.000	1230.000	10950.000
GR	1230.800	11296.500	1234.700	11741.700	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	9150.000	11300.000	.000	.000	.000	.000	.000
X1	29.473	21.000	9369.600	10096.700	1030.000	970.000	1300.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1229.100	6815.600	1230.200	7351.900	1228.300	8005.100	1225.900	8828.500	1219.000	8886.700
GR	1230.800	9018.300	1231.000	9106.100	1207.500	9150.700	1206.700	9369.600	1203.000	9530.400
GR	1209.200	9819.000	1207.000	10000.000	1216.000	10096.700	1216.000	11008.400	1211.200	11300.000
GR	1233.500	11530.000	1233.500	11613.600	1233.500	11784.900	1235.600	11990.400	1247.000	12122.200
GR	1247.800	12470.900	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8850.000	11270.000	.000	.000	.000	.000	.000
X1	29.676	30.000	9012.500	9284.300	920.000	1020.000	1060.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1230.700	6855.200	1231.000	7462.300	1231.200	8005.600	1231.100	8295.400	1226.000	8707.100
GR	1224.900	8819.800	1204.100	8831.400	1202.900	8958.200	1214.900	9012.500	1198.900	9086.000
GR	1198.400	9186.000	1210.800	9284.300	1211.900	9616.000	1211.200	9868.700	1215.500	9994.300
GR	1215.400	10000.000	1220.100	10119.500	1216.000	10882.900	1214.600	11120.700	1215.000	11167.500
GR	1215.000	11446.000	1215.000	11509.700	1215.400	11543.900	1208.700	11591.700	1206.000	11668.700
GR	1200.100	11690.000	1239.300	11929.000	1240.200	12104.600	1248.500	12214.900	1251.400	12565.900
ET	.000	.000	4.100	9400.000	10820.000	.000	.000	.000	.000	.000
X1	29.981	35.000	9163.400	10000.000	1530.000	1180.000	1600.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1234.800	6562.900	1234.300	7160.900	1236.100	7184.100	1236.100	7211.300	1234.300	7224.500
GR	1235.100	7403.400	1235.900	7425.700	1235.200	7711.500	1230.100	8141.100	1230.400	8269.800
GR	1231.900	8312.800	1233.100	8557.700	1234.700	8573.500	1233.500	8831.200	1233.100	8899.000
GR	1221.400	8943.900	1219.300	9054.800	1222.900	9163.400	1222.300	9449.200	1210.500	9490.800
GR	1209.500	9555.900	1209.100	9752.500	1215.300	9796.300	1215.300	9868.300	1217.800	9886.900
GR	1218.300	9987.200	1225.000	10000.000	1216.900	10040.600	1218.600	10104.000	1215.400	10377.600
GR	1210.500	10459.300	1220.700	10590.300	1216.300	10773.700	1216.000	10787.700	1228.000	10850.000

ET	.000	.000	4.100	9400.000	10820.000	.000	.000	.000	.000	.000
X1	29.982	.000	.000	.000	5.000	5.000	5.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
ET	.000	.000	4.100	9054.000	10800.000	.000	.000	.000	.000	.000
X1	30.194	59.000	9032.100	10000.000	1120.000	1170.000	1120.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1235.500	6087.700	1236.000	6154.700	1237.000	6189.200	1237.000	6233.700	1235.800	6275.700
GR	1236.900	6471.700	1237.000	6860.300	1237.700	7227.500	1238.500	7244.900	1238.900	7269.500
GR	1237.200	7303.600	1236.400	7464.400	1234.300	7532.900	1234.900	8218.200	1236.400	8761.000
GR	1237.600	8782.400	1237.700	8812.200	1236.300	9032.100	1225.200	9076.600	1218.100	9121.100
GR	1218.000	9208.700	1208.800	9299.800	1210.900	9411.500	1212.500	9480.400	1216.900	9559.500
GR	1220.700	9694.100	1221.600	9927.400	1228.500	10000.000	1224.300	10023.600	1224.600	10274.200
GR	1226.800	10494.900	1225.000	10640.100	1225.500	10736.000	1229.500	10875.700	1232.300	10921.800
GR	1232.300	11145.700	1249.900	11243.800	1250.800	11300.600	1245.000	11422.500	1245.000	11464.000
GR	1245.000	11545.600	1245.000	11573.600	1245.000	11632.300	1245.000	11650.000	1245.000	11791.100
GR	1245.000	11883.800	1245.000	12045.100	1245.000	12106.800	1245.000	12140.800	1245.000	12173.300
GR	1252.300	12290.100	1253.700	12480.300	1250.800	12512.200	1253.300	12528.100	1253.400	12554.300
GR	1250.800	12577.200	1252.200	12590.100	1253.900	12664.400	1254.100	12925.700	.000	.000
ET	.000	.000	4.100	9054.000	10800.000	.000	.000	.000	.000	.000
X1	30.195	.000	.000	.000	5.000	5.000	5.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
QT	2.000	227500.000	227500.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	9350.000	10775.000	.000	.000	.000	.000	.000
X1	30.458	43.000	9333.500	10777.300	1280.000	1030.000	1370.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1237.100	5616.200	1238.100	6079.400	1239.600	6123.200	1238.100	6776.500	1235.900	7337.600
GR	1236.600	7375.600	1237.000	7420.800	1235.800	7472.300	1235.700	7635.300	1238.200	7650.300
GR	1238.700	7680.000	1236.300	7696.100	1236.300	8062.800	1238.400	9178.000	1237.900	9283.700
GR	1239.100	9333.500	1231.700	9354.500	1230.000	9385.100	1222.300	9414.000	1216.900	9523.200
GR	1214.700	9624.500	1214.900	9860.200	1217.400	10000.000	1222.200	10122.500	1220.900	10270.000
GR	1220.200	10554.000	1227.700	10652.700	1227.900	10719.500	1233.700	10777.300	1251.400	10855.500
GR	1250.300	10944.600	1242.000	11057.500	1242.000	11086.900	1242.000	11212.400	1242.000	11257.900
GR	1242.000	11296.700	1242.000	11320.700	1242.000	11402.900	1242.000	11460.000	1242.000	11526.200
GR	1242.000	11574.800	1242.000	11629.500	1254.900	11653.500	.000	.000	.000	.000
ET	.000	.000	4.100	9310.000	10800.000	.000	.000	.000	.000	.000
X1	30.815	36.000	9568.200	11136.300	1350.000	1390.000	1830.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1238.900	5271.200	1239.500	5796.200	1241.100	5856.400	1238.200	6357.400	1239.300	6383.900
GR	1239.300	6408.900	1238.300	6442.000	1238.300	6633.600	1238.300	7017.600	1237.700	7620.100
GR	1237.700	7892.200	1239.000	7912.900	1238.500	8404.200	1240.300	8448.400	1240.300	8499.000
GR	1239.300	8870.100	1240.100	9221.800	1236.100	9406.900	1232.900	9470.500	1231.900	9514.000
GR	1236.500	9568.200	1226.200	9665.100	1226.500	9727.500	1218.100	9769.700	1217.500	9954.000
GR	1220.800	10000.000	1221.300	10346.200	1222.300	10487.000	1216.000	10770.600	1230.300	10871.600
GR	1251.600	11136.300	1255.500	11229.900	1256.500	11511.600	1259.200	11740.200	1257.600	11773.300
GR	1257.600	12053.000	.000	.000	.000	.000	.000	.000	.000	.000

ET	.000	.000	4.100	9410.000	10845.000	.000	.000	.000	.000	.000
X1	31.028	36.000	10322.800	10772.200	1060.000	1100.000	1100.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1243.500	8747.200	1240.600	8765.600	1241.200	8912.500	1239.800	9071.800	1236.000	9121.600
GR	1238.100	9144.100	1234.900	9199.200	1236.900	9326.400	1245.000	9349.800	1246.200	9382.500
GR	1235.700	9425.800	1233.800	9518.200	1230.900	9534.200	1227.800	9659.800	1232.600	9682.600
GR	1233.100	9756.800	1231.200	9882.100	1235.600	9931.100	1232.700	10000.000	1228.400	10127.100
GR	1226.100	10279.700	1228.000	10322.800	1224.400	10490.100	1218.000	10679.000	1212.700	10772.200
GR	1253.000	10884.900	1256.600	11057.200	1254.900	11307.200	1259.500	11350.400	1260.900	11645.100
GR	1258.300	11670.600	1260.400	11683.500	1260.700	11712.300	1258.300	11726.900	1260.900	11751.200
GR	1261.500	11994.800	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	9410.000	10845.000	.000	.000	.000	.000	.000
X1	31.029	.000	.000	.000	5.000	5.000	5.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
ET	.000	.000	4.100	8770.000	10890.000	.000	.000	.000	.000	.000
X1	31.301	43.000	9689.600	10867.500	1190.000	1380.000	1440.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1245.200	7959.200	1245.300	7989.000	1242.400	8027.100	1242.700	8306.300	1240.300	8705.800
GR	1236.700	8867.300	1235.700	9104.000	1237.600	9154.800	1235.700	9275.700	1231.400	9384.200
GR	1225.600	9689.600	1220.200	9713.800	1220.100	9786.300	1222.400	9835.900	1222.400	9877.300
GR	1224.800	9942.000	1228.000	10000.000	1229.700	10036.200	1228.400	10184.400	1232.200	10225.800
GR	1232.700	10375.200	1232.200	10437.400	1226.800	10547.400	1231.400	10585.600	1229.500	10626.700
GR	1221.600	10665.200	1220.700	10867.500	1263.000	10911.900	1262.800	11065.200	1261.200	11234.100
GR	1263.900	11423.000	1259.800	11596.100	1258.000	11611.900	1260.000	11647.000	1260.000	11685.500
GR	1257.300	11702.100	1258.400	11720.400	1258.800	11752.700	1255.600	11766.800	1258.300	11815.400
GR	1259.700	11936.500	1259.000	12047.100	1259.800	12118.100	.000	.000	.000	.000
ET	.000	.000	4.100	8250.000	11450.000	.000	.000	.000	.000	.000
X1	31.522	58.000	9428.600	11538.900	1120.000	1650.000	1160.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1247.000	7461.100	1244.400	7497.300	1244.800	7703.300	1245.200	8039.000	1235.100	8081.400
GR	1234.800	8179.100	1229.200	8272.700	1229.500	8334.700	1234.300	8401.800	1236.700	8483.900
GR	1240.000	8603.000	1237.200	8654.000	1236.700	8775.200	1242.200	8808.800	1242.900	8880.800
GR	1241.500	8924.600	1241.500	9026.100	1242.300	9062.800	1240.400	9162.300	1240.400	9235.300
GR	1244.500	9428.600	1233.400	9442.100	1229.600	9469.800	1228.600	9533.100	1229.100	9585.400
GR	1227.200	9685.400	1234.400	9740.400	1235.800	9872.400	1233.100	9957.400	1232.200	10000.000
GR	1233.100	10066.600	1234.900	10099.000	1238.000	10207.400	1238.400	10311.300	1236.800	10652.800
GR	1231.200	10706.700	1234.200	10790.500	1233.100	10902.800	1229.200	11141.200	1226.100	11281.200
GR	1224.400	11418.700	1230.000	11446.200	1230.600	11501.500	1264.300	11538.900	1264.400	11590.600
GR	1266.800	11671.000	1267.200	11759.900	1268.500	11785.700	1266.200	11831.400	1268.000	11873.600
GR	1270.500	12030.300	1264.400	12065.000	1265.700	12074.800	1265.700	12101.500	1264.500	12113.300
GR	1271.500	12160.800	1272.700	12335.100	1272.700	12497.900	.000	.000	.000	.000
ET	.000	.000	4.100	8230.000	11950.000	.000	.000	.000	.000	.000
X1	31.725	77.000	9544.000	11019.800	870.000	1530.000	1070.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1248.300	6763.800	1248.300	7039.500	1248.300	7384.700	1248.300	7411.400	1248.300	7433.100
GR	1243.600	7472.900	1244.800	7647.800	1245.900	7951.300	1237.300	7962.800	1234.900	8020.300
GR	1240.000	8056.500	1241.500	8168.900	1241.400	8355.000	1240.200	8460.300	1234.800	8503.500
GR	1234.800	8561.400	1229.500	8697.900	1236.400	8740.300	1240.400	8808.800	1241.000	8910.700
GR	1236.900	8953.300	1246.400	8985.400	1245.300	9028.700	1242.100	9063.600	1243.800	9153.500

GR	1244.100	9233.100	1241.000	9294.200	1245.000	9343.400	1246.400	9431.200	1246.200	9544.000
GR	1242.400	9629.800	1242.900	9673.000	1229.800	9724.400	1231.200	9822.000	1233.200	9969.900
GR	1236.900	9988.300	1236.900	10000.000	1239.400	10067.600	1234.700	10123.000	1237.600	10231.600
GR	1238.200	10342.000	1235.300	10482.600	1229.800	10536.800	1231.400	10639.000	1233.300	10688.200
GR	1229.700	10809.900	1230.900	10874.700	1234.000	10908.800	1237.100	11019.800	1238.500	11202.200
GR	1239.900	11420.100	1240.000	11625.000	1236.200	11738.600	1237.100	11826.400	1233.300	11894.900
GR	1237.100	11976.000	1238.500	12089.300	1235.700	12107.600	1234.700	12218.900	1243.600	12240.400
GR	1239.400	12252.800	1239.400	12335.900	1241.000	12378.100	1245.900	12443.900	1244.500	12544.800
GR	1270.700	12606.900	1271.800	12718.300	1273.900	12834.100	1275.100	12926.700	1270.000	13027.700
GR	1273.400	13221.000	1270.500	13241.900	1274.000	13260.200	1274.800	13294.600	1271.900	13326.100
GR	1276.100	13359.100	1276.100	13410.900	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8300.000	12000.000	.000	.000	.000	.000	.000
X1	31.896	68.000	9650.200	12145.500	920.000	1000.000	980.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1248.000	6420.300	1248.000	6924.600	1248.000	7330.200	1248.000	7361.000	1248.200	7380.800
GR	1247.000	7406.800	1246.400	7515.000	1246.000	7777.300	1247.200	8043.000	1247.800	8220.600
GR	1245.700	8296.000	1239.800	8349.100	1238.000	8440.700	1235.700	8591.900	1239.700	8604.200
GR	1236.200	8648.500	1236.400	8751.800	1241.200	8785.400	1241.900	8849.300	1236.800	8906.200
GR	1234.300	9014.100	1236.400	9150.700	1243.600	9176.600	1246.300	9344.700	1246.900	9414.800
GR	1245.500	9524.700	1246.500	9547.100	1246.100	9650.200	1237.500	9675.800	1232.100	9689.800
GR	1232.300	9803.600	1228.100	9854.300	1232.100	9912.300	1232.500	10000.300	1231.000	10064.800
GR	1235.500	10138.500	1238.800	10226.100	1239.400	10386.700	1239.900	10487.900	1238.600	10731.600
GR	1235.200	10797.000	1237.500	10819.300	1241.700	10904.800	1242.900	10973.100	1243.100	11126.900
GR	1239.700	11307.600	1241.100	11625.600	1237.900	11682.600	1237.700	11737.000	1243.100	11777.000
GR	1245.200	11905.000	1244.200	12112.700	1246.300	12145.500	1243.900	12382.400	1245.500	12454.400
GR	1245.700	12629.500	1242.800	12748.800	1243.000	12939.800	1244.000	13046.100	1245.300	13119.200
GR	1250.500	13210.100	1252.600	13266.700	1256.100	13391.300	1261.500	13442.800	1273.600	13485.900
GR	1278.100	13526.800	1276.600	13596.700	1278.700	13815.300	.000	.000	.000	.000
ET	.000	.000	4.100	8500.000	11600.000	.000	.000	.000	.000	.000
X1	32.126	57.000	8480.800	11726.600	1150.000	1100.000	1130.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1250.100	7405.900	1248.100	7434.900	1248.900	7750.000	1247.800	8108.900	1248.800	8336.800
GR	1248.400	8480.800	1236.800	8523.800	1238.700	8632.600	1239.900	8764.100	1241.000	8802.700
GR	1237.100	8892.300	1239.400	8932.900	1242.200	9032.200	1241.000	9201.400	1240.100	9356.100
GR	1239.400	9451.100	1237.100	9495.000	1236.100	9575.500	1244.500	9595.300	1243.900	9677.500
GR	1235.700	9713.800	1236.400	9842.500	1233.900	9921.400	1236.200	10000.000	1242.500	10155.100
GR	1242.800	10324.600	1240.300	10404.600	1251.200	10447.900	1251.400	10719.800	1253.500	10773.600
GR	1241.100	10899.300	1239.200	10986.800	1242.400	11110.200	1241.700	11195.400	1238.500	11317.800
GR	1247.000	11406.900	1247.900	11455.900	1245.400	11678.600	1248.500	11726.600	1248.500	11887.100
GR	1247.600	12258.400	1246.900	12517.300	1246.600	12763.600	1244.700	13080.500	1249.900	13144.100
GR	1249.900	13321.400	1250.900	13403.400	1249.900	13729.200	1245.800	13790.200	1245.300	13943.300
GR	1242.700	14010.800	1275.300	14132.600	1272.400	14155.700	1274.800	14225.900	1280.700	14255.200
GR	1282.000	14360.700	1280.500	14411.700	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8500.000	11600.000	.000	.000	.000	.000	.000
X1	32.127	.000	.000	.000	5.000	5.000	5.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000

ET	.000	.000	4.100	7900.000	11400.000	.000	.000	.000	.000	.000
X1	32.296	54.000	9694.300	11211.100	940.000	890.000	900.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1253.200	6830.100	1253.200	7202.900	1253.200	7230.700	1253.200	7249.400	1250.500	7273.800
GR	1249.900	7493.000	1250.600	7751.400	1246.600	7780.900	1247.800	7829.600	1243.900	7849.400
GR	1246.600	7937.000	1239.900	7983.700	1241.300	8199.800	1238.900	8257.900	1240.700	8289.100
GR	1244.700	8430.100	1243.100	8465.500	1240.400	8492.000	1241.000	8637.200	1247.500	8662.100
GR	1248.900	8748.400	1244.800	8818.200	1243.600	9085.600	1245.900	9180.300	1246.000	9343.100
GR	1242.100	9437.900	1241.200	9518.600	1246.900	9588.600	1245.900	9694.300	1242.400	9804.900
GR	1235.600	9854.600	1238.100	10000.000	1236.900	10142.900	1239.800	10200.600	1249.100	10238.000
GR	1249.900	10398.200	1248.400	10605.700	1249.900	10724.900	1241.700	10796.600	1243.000	10999.700
GR	1242.400	11180.600	1248.800	11211.100	1249.400	11404.000	1249.500	11597.200	1247.900	11925.900
GR	1247.800	121/1.600	1246.700	12434.900	1248.100	12483.200	1248.100	12733.800	1246.900	12959.500
GR	1245.300	13160.200	1247.200	13259.600	1252.600	13327.800	1253.800	13383.200	.000	.000
NH	2.000	.025	11161.400	.040	15106.100	.000	.000	.000	.000	.000
ET	.000	.000	4.100	7875.000	11500.000	.000	.000	.000	.000	.000
X1	32.465	77.000	9925.900	11161.400	910.000	890.000	900.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1255.700	7164.400	1255.700	7181.600	1255.700	7203.800	1253.200	7234.000	1254.500	7432.900
GR	1253.200	7687.200	1245.100	7780.100	1241.800	7822.300	1242.700	7867.600	1240.000	7934.000
GR	1240.000	7983.000	1240.000	8055.400	1244.800	8238.300	1245.800	8393.000	1242.200	8412.700
GR	1240.600	8451.800	1244.100	8476.100	1242.300	8634.900	1240.000	8758.900	1246.500	8785.600
GR	1246.900	8895.900	1244.600	8976.000	1246.600	9000.300	1248.100	9056.400	1247.000	9248.800
GR	1246.900	9405.400	1243.000	9427.600	1246.600	9515.200	1248.500	9654.300	1247.200	9718.200
GR	1244.800	9754.500	1246.500	9805.600	1247.900	9925.900	1246.400	9994.000	1244.500	10000.000
GR	1242.300	10014.900	1240.600	10120.600	1238.300	10196.400	1240.000	10246.200	1239.900	10329.500
GR	1248.100	10371.100	1252.500	10485.300	1251.200	10670.100	1249.400	10803.900	1242.200	10829.800
GR	1242.200	11126.800	1251.400	11161.400	1251.100	11382.600	1249.400	11551.600	1250.800	11576.600
GR	1249.900	11868.200	1247.800	12061.800	1249.800	12095.100	1249.400	12366.400	1247.300	12681.900
GR	1248.000	12817.000	1247.000	12962.400	1249.300	12994.400	1248.700	13071.000	1247.500	13237.400
GR	1254.900	13297.800	1255.900	13343.600	1254.200	13380.800	1254.700	13459.100	1255.400	13518.100
GR	1255.400	13695.800	1255.300	13935.400	1256.300	14100.000	1254.000	14155.000	1248.900	14436.900
GR	1251.100	14478.400	1251.600	14547.800	1251.000	14767.400	1259.100	14803.400	1287.600	14863.000
GR	1289.500	14986.000	1289.000	15106.100	.000	.000	.000	.000	.000	.000
NH	4.000	.025	10041.600	.035	10618.900	.025	11392.000	.040	15586.900	.000
ET	.000	.000	4.100	8500.000	11600.000	.000	.000	.000	.000	.000
X1	32.641	78.000	8951.300	11280.700	940.000	920.000	920.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1256.200	6395.800	1256.200	6800.000	1256.200	7108.000	1256.200	7137.300	1256.200	7176.100
GR	1252.900	7198.200	1253.000	7345.600	1253.500	7626.800	1248.500	7650.300	1243.100	7790.600
GR	1240.700	7871.500	1243.500	7994.200	1248.400	8073.900	1249.400	8272.200	1245.700	8307.600
GR	1249.400	8357.400	1251.200	8414.400	1250.500	8559.100	1242.700	8603.700	1241.100	8760.100
GR	1247.100	8810.300	1249.100	8951.300	1248.500	8956.000	1239.000	8975.000	1239.000	9585.000
GR	1245.000	9597.000	1239.900	9878.900	1246.600	10000.000	1251.500	10041.600	1253.100	10269.700
GR	1253.100	10407.700	1252.000	10561.800	1248.500	10618.900	1247.900	10765.100	1245.800	10947.200
GR	1241.700	11065.300	1242.700	11179.200	1245.300	11233.200	1250.500	11280.700	1251.200	11351.200
GR	1253.300	11392.000	1250.900	11633.800	1252.200	11666.000	1251.900	11905.700	1250.600	12215.600
GR	1248.900	12357.400	1251.600	12389.300	1251.800	12480.600	1250.400	12667.900	1248.600	12749.200
GR	1251.600	12826.900	1249.300	12907.000	1250.300	13001.200	1257.200	13050.000	1257.900	13097.400
GR	1257.900	13297.900	1257.900	13427.800	1257.000	13759.400	1258.400	13817.100	1258.400	13858.100
GR	1256.000	13913.300	1253.100	14160.400	1253.500	14447.000	1255.200	14498.300	1253.600	14749.100

GR	1254.100	14886.200	1256.000	14998.600	1261.200	15042.700	1257.700	15065.300	1260.600	15107.900
GR	1257.000	15127.700	1257.300	15187.100	1262.700	15270.800	1257.600	15335.900	1258.200	15425.300
GR	1259.700	15494.400	1276.500	15550.900	1280.900	15586.900	.000	.000	.000	.000
NC	.000	.000	.000	.300	.500	.000	.000	.000	.000	.000
NH	4.000	.025	10041.600	.035	10618.900	.025	11392.000	.040	15586.900	.000
ET	.000	.000	4.110	8500.000	11600.000	.000	.000	.000	.000	.000
X1	32.653	78.000	8636.000	9866.000	63.000	63.000	63.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	1253.000	1246.500	.000
GR	1256.200	6395.800	1256.200	6800.000	1256.200	7108.000	1256.200	7137.300	1256.200	7176.100
GR	1252.900	7198.200	1253.000	7345.600	1253.500	7626.800	1248.500	7650.300	1243.100	7790.600
GR	1240.700	7871.500	1243.500	7994.200	1248.400	8073.900	1249.400	8272.200	1245.700	8307.600
GR	1249.400	8357.400	1251.200	8414.400	1250.500	8559.100	1242.700	8603.700	1242.500	8636.000
GR	1239.000	8643.000	1239.000	8951.300	1239.000	9053.100	1239.000	9255.400	1239.000	9864.000
GR	1240.000	9866.000	1239.900	9878.900	1246.600	10000.000	1251.500	10041.600	1253.100	10269.700
GR	1253.100	10407.700	1252.000	10561.800	1248.500	10618.900	1247.900	10765.100	1245.800	10947.200
GR	1241.700	11065.300	1242.700	11179.200	1245.300	11233.200	1250.500	11280.700	1251.200	11351.200
GR	1253.300	11392.000	1250.900	11633.800	1252.200	11666.000	1251.900	11905.700	1250.600	12215.600
GR	1248.900	12357.400	1251.600	12389.300	1251.800	12480.600	1250.400	12667.900	1248.600	12749.200
GR	1251.600	12826.900	1249.300	12907.000	1250.300	13001.200	1257.200	13050.000	1257.900	13097.400
GR	1257.900	13297.900	1257.900	13427.800	1257.000	13759.400	1258.400	13817.100	1258.400	13858.100
GR	1256.000	13913.300	1253.100	14160.400	1253.500	14447.000	1255.200	14498.300	1253.600	14749.100
GR	1254.100	14886.200	1256.000	14998.600	1261.200	15042.700	1257.700	15065.300	1260.600	15107.900
GR	1257.000	15127.700	1257.300	15187.100	1262.700	15270.800	1257.600	15335.900	1258.200	15425.300
GR	1259.700	15494.400	1276.500	15550.900	1280.900	15586.900	.000	.000	.000	.000
NH	2.000	.025	11405.000	.040	15063.000	.000	.000	.000	.000	.000
ET	.000	.000	4.110	8500.000	11600.000	.000	.000	.000	.000	.000
X1	32.655	83.000	8606.000	9904.000	10.000	10.000	10.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	1254.100	1247.600	.000
BT	37.000	800.000	1300.000	1300.000	1300.000	1256.000	1256.000	5578.000	1255.400	1255.400
BT	5830.000	1255.900	1255.900	6138.000	1254.900	1254.900	6517.000	1255.300	1255.300	6800.000
BT	1254.700	1254.700	7092.000	1254.900	1254.900	7164.000	1255.100	1255.100	7417.000	1254.800
BT	1254.800	7538.000	1254.500	1254.500	8072.000	1254.500	1254.500	8360.000	1255.500	1255.500
BT	8606.000	1259.500	1257.000	9904.000	1259.500	1257.000	10000.000	1256.500	1256.500	10175.000
BT	1250.700	1250.700	10205.000	1249.700	1249.700	10380.000	1248.000	1248.000	11305.000	1248.000
BT	1248.000	11405.000	1248.600	1248.600	11505.000	1250.300	1250.300	11705.000	1253.400	1253.400
BT	11905.000	1253.400	1253.400	12393.000	1251.800	1251.800	12671.000	1252.300	1252.300	12861.000
BT	1255.200	1255.200	13067.000	1257.300	1257.300	13254.000	1259.500	1259.500	13470.000	1259.600
BT	1259.600	13814.000	1257.100	1257.100	14088.000	1254.100	1254.100	14321.000	1253.900	1253.900
BT	14526.000	1253.900	1253.900	14777.000	1255.300	1255.300	14923.000	1259.000	1259.000	15063.000
BT	1263.100	1263.100	.000	.000	.000	.000	.000	.000	.000	.000
GR	1300.000	800.000	1256.000	1300.000	1255.400	5578.000	1255.900	5830.000	1254.900	6138.000
GR	1255.300	6517.000	1254.700	6800.000	1254.900	7092.000	1255.100	7164.000	1254.800	7417.000
GR	1252.900	7538.000	1246.300	7727.000	1244.300	7883.000	1244.300	8072.000	1246.400	8204.000
GR	1249.000	8360.000	1249.600	8441.000	1246.300	8552.000	1242.500	8605.000	1257.000	8606.000
GR	1239.000	8640.000	1239.000	8732.000	1257.000	8732.100	1257.000	8738.000	1239.000	8738.100
GR	1239.000	8862.000	1257.000	8862.100	1257.000	8868.000	1239.000	8868.100	1239.000	8992.000
GR	1257.000	8992.100	1257.000	8998.000	1239.000	8998.100	1239.000	9122.000	1257.000	9122.100
GR	1257.000	9128.000	1239.000	9128.100	1239.000	9252.000	1257.000	9252.100	1257.000	9258.000
GR	1239.000	9258.100	1239.000	9382.000	1257.000	9382.100	1257.000	9388.000	1239.000	9388.100
GR	1239.000	9512.000	1257.000	9512.100	1257.000	9518.000	1239.000	9518.100	1239.000	9642.000

GR	1257.000	9642.100	1257.000	9648.000	1239.000	9648.100	1239.000	9772.000	1257.000	9772.100
GR	1257.000	9778.000	1239.000	9778.100	1239.000	9861.000	1257.000	9904.000	1245.000	9905.000
GR	1249.100	10000.000	1253.000	10075.000	1250.000	10175.000	1249.700	10205.000	1248.000	10380.000
GR	1248.000	11305.000	1248.600	11405.000	1250.300	11505.000	1253.400	11705.000	1253.400	11905.000
GR	1251.800	12393.000	1252.300	12671.000	1255.200	12861.000	1257.300	13067.000	1259.500	13254.000
GR	1259.600	13470.000	1257.100	13814.000	1254.100	14088.000	1253.900	14321.000	1253.900	14526.000
GR	1255.300	14777.000	1259.000	14923.000	1263.100	15063.000	.000	.000	.000	.000
NH	2.000	.025	11405.000	.040	15063.000	.000	.000	.000	.000	.000
ET	.000	.000	4.110	8500.000	11600.000	.000	.000	.000	.000	.000
X1	32.661	.000	.000	.000	44.000	44.000	44.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	1254.600	1248.100	.000
NH	4.000	.025	10041.600	.035	10618.900	.025	11392.000	.040	15586.900	.000
ET	.000	.000	4.110	8500.000	11600.000	.000	.000	.000	.000	.000
	GILBERT RD. BRIDGE - NORMAL BRIDGE METHOD BASED ON PLANS DATED JAN 82									
X1	32.663	78.000	8636.000	9866.000	10.000	10.000	10.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	1253.000	1246.500	.000
GR	1256.200	6395.800	1256.200	6800.000	1256.200	7108.000	1256.200	7137.300	1256.200	7176.100
GR	1252.900	7198.200	1253.000	7345.600	1253.500	7626.800	1248.500	7650.300	1243.100	7790.600
GR	1240.700	7871.500	1243.500	7994.200	1248.400	8073.900	1249.400	8272.200	1245.700	8307.600
GR	1249.400	8357.400	1251.200	8414.400	1250.500	8559.100	1242.700	8603.700	1242.500	8636.000
GR	1239.000	8643.000	1239.000	8951.300	1239.000	9053.100	1239.000	9255.400	1239.000	9864.000
GR	1240.000	9866.000	1239.900	9878.900	1246.600	10000.000	1251.500	10041.600	1253.100	10269.700
GR	1253.100	10407.700	1252.000	10561.800	1248.500	10618.900	1247.900	10765.100	1245.800	10947.200
GR	1241.700	11065.300	1242.700	11179.200	1245.300	11233.200	1250.500	11280.700	1251.200	11351.200
GR	1253.300	11392.000	1250.900	11633.800	1252.200	11666.000	1251.900	11905.700	1250.600	12215.600
GR	1248.900	12357.400	1251.600	12389.300	1251.800	12480.600	1250.400	12667.900	1248.600	12749.200
GR	1251.600	12826.900	1249.300	12907.000	1250.300	13001.200	1257.200	13050.000	1257.900	13097.400
GR	1257.900	13297.900	1257.900	13427.800	1257.000	13759.400	1258.400	13817.100	1258.400	13858.100
GR	1256.000	13913.300	1253.100	14160.400	1253.500	14447.000	1255.200	14498.300	1253.600	14749.100
GR	1254.100	14886.200	1256.000	14998.600	1261.200	15042.700	1257.700	15065.300	1260.600	15107.900
GR	1257.000	15127.700	1257.300	15187.100	1262.700	15270.800	1257.600	15335.900	1258.200	15425.300
GR	1259.700	15494.400	1276.500	15550.900	1280.900	15586.900	.000	.000	.000	.000
QT	2.000	230000.000	230000.000	.000	.000	.000	.000	.000	.000	.000
NH	4.000	.025	10000.000	.035	10622.100	.025	11507.800	.040	15318.600	.000
ET	.000	.000	4.100	8500.000	11600.000	.000	.000	.000	.000	.000
X1	32.676	60.000	8469.700	11507.800	63.000	63.000	63.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1257.700	8148.600	1257.700	8469.700	1249.000	8488.300	1248.300	8594.000	1242.100	8620.100
GR	1240.000	8738.800	1242.000	8815.600	1242.000	8851.700	1242.000	9074.300	1242.000	9245.400
GR	1242.000	9424.400	1242.000	9530.900	1242.000	9633.100	1241.100	9749.000	1241.700	9829.200
GR	1246.400	9890.100	1251.200	9934.400	1253.100	10000.000	1253.600	10241.800	1254.700	10473.200
GR	1252.000	10622.100	1248.600	10642.200	1246.200	10848.000	1243.100	11093.000	1244.400	11223.300
GR	1248.500	11287.100	1249.700	11383.300	1250.300	11473.500	1252.900	11507.800	1251.900	11549.100
GR	1252.900	11656.800	1251.700	11981.500	1252.400	12095.800	1252.100	12382.700	1249.700	12486.700
GR	1251.500	12597.800	1251.700	12691.700	1251.900	12794.900	1249.700	12841.700	1250.100	12925.100
GR	1257.000	13004.100	1257.600	13055.100	1256.300	13112.300	1257.900	13146.000	1257.700	13311.100
GR	1257.700	13596.900	1258.700	13763.800	1255.500	13817.600	1253.900	14053.200	1253.100	14329.500
GR	1256.400	14406.100	1255.300	14553.300	1254.600	14725.500	1254.100	14964.900	1255.700	15011.500

GR	1269.200	15068.300	1262.400	15107.000	1268.700	15149.100	1272.200	15222.600	1272.500	15318.600
NC	.000	.000	.000	.100	.300	.000	.000	.000	.000	.000
NH	6.000	.040	7156.500	.075	7521.600	.025	10310.400	.035	10869.700	.025
NH	11597.000	.040	15810.100	.000	.000	.000	.000	.000	.000	.000
ET	.000	6.100	4.100	8490.000	12200.000	8493.600	.000	.000	.000	.000
X1	32.862	89.000	8493.600	11352.700	890.000	910.000	980.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1257.300	5673.000	1256.900	5885.800	1255.900	5897.500	1256.100	6458.300	1257.000	6469.000
GR	1257.000	6567.000	1255.300	6596.500	1253.900	6767.500	1255.200	6801.000	1255.300	7156.500
GR	1255.000	7511.500	1257.300	7521.600	1251.000	7552.400	1251.000	7587.900	1251.000	7600.300
GR	1251.000	7619.500	1251.000	7657.300	1251.000	7714.100	1251.000	7775.400	1251.000	7863.000
GR	1251.000	7960.000	1251.000	8122.200	1247.600	8240.300	1244.300	8370.200	1250.400	8404.200
GR	1249.100	8435.300	1255.800	8454.200	1235.800	8493.600	1246.400	8515.500	1244.700	8597.900
GR	1240.400	8646.400	1242.800	8764.900	1246.400	9019.400	1242.900	9074.000	1246.700	9099.600
GR	1248.300	9173.800	1243.500	9219.800	1242.100	9270.300	1250.000	9302.400	1253.900	9369.800
GR	1254.700	9497.100	1256.100	9553.900	1256.400	9672.100	1253.400	9732.900	1252.200	9873.500
GR	1253.400	9905.700	1253.500	10000.100	1252.500	10130.000	1254.300	10161.700	1250.700	10255.900
GR	1252.800	10310.400	1253.400	10421.700	1254.000	10549.100	1255.300	10741.500	1253.300	10815.000
GR	1253.300	10869.700	1245.600	11004.600	1244.700	11206.500	1248.600	11294.300	1248.100	11352.700
GR	1251.000	11438.200	1249.700	11544.600	1255.400	11597.000	1253.900	11818.500	1255.500	11842.800
GR	1255.500	12099.600	1254.900	12438.800	1254.600	12753.200	1252.700	12930.900	1259.900	13002.800
GR	1259.100	13215.700	1255.700	13289.100	1255.700	13582.400	1256.100	13817.800	1257.100	14118.900
GR	1256.500	14454.700	1255.500	14780.600	1269.800	14816.200	1272.100	14851.900	1269.800	14924.700
GR	1266.100	14959.500	1264.500	14993.000	1267.900	15019.800	1264.800	15133.600	1270.200	15209.100
GR	1273.700	15321.300	1277.500	15510.200	1275.100	15699.600	1277.900	15810.100	.000	.000
NH	6.000	.040	7156.500	.075	7521.600	.025	10310.400	.035	10869.700	.025
NH	11597.000	.040	15810.100	.000	.000	.000	.000	.000	.000	.000
ET	.000	6.100	4.100	8490.000	12200.000	8493.600	.000	.000	.000	.000
X1	32.863	.000	.000	.000	5.000	5.000	5.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
NH	2.000	.025	11602.400	.035	15441.400	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8280.000	11600.000	.000	.000	.000	.000	.000
X1	33.023	75.000	8281.200	11327.700	870.000	880.000	850.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1258.800	5930.000	1258.600	6404.900	1258.500	6676.100	1257.300	6705.000	1257.900	6794.000
GR	1257.000	7213.200	1257.500	7609.300	1258.900	7620.500	1249.000	7673.700	1249.000	7729.400
GR	1249.000	7761.500	1249.000	7836.000	1249.000	7923.200	1249.000	7941.500	1249.000	8013.300
GR	1249.000	8130.800	1249.000	8172.300	1249.000	8205.300	1258.300	8259.400	1258.300	8281.200
GR	1248.700	8304.000	1249.300	8410.800	1248.200	8487.800	1240.100	8525.600	1241.400	8662.200
GR	1239.500	8805.400	1254.800	8887.700	1253.100	9147.500	1254.200	9205.200	1252.100	9362.900
GR	1247.400	9404.200	1253.500	9469.200	1254.900	9616.100	1255.500	9731.600	1253.700	9944.800
GR	1255.200	10000.100	1256.400	10060.100	1256.300	10325.700	1256.000	10493.400	1254.500	10682.100
GR	1255.900	10821.300	1255.900	10916.100	1250.900	10943.600	1246.800	11168.700	1248.200	11248.300
GR	1245.900	11327.700	1247.400	11418.900	1246.200	11469.800	1249.400	11522.800	1250.000	11602.400
GR	1255.700	11702.800	1256.500	11875.900	1257.800	12015.300	1256.600	12279.300	1256.600	12414.200
GR	1259.700	12496.700	1259.400	12585.400	1260.600	12654.600	1258.900	12742.900	1260.000	12912.400
GR	1257.800	12985.600	1256.900	13257.100	1257.900	13441.200	1256.500	13537.800	1258.400	13594.800
GR	1258.400	13827.500	1257.800	14130.100	1257.600	14391.600	1259.600	14658.400	1259.700	14830.400
GR	1260.700	14890.800	1259.900	15007.400	1263.400	15151.300	1262.200	15330.400	1268.000	15441.400

ET	.000	.000	4.100	8280.000	11600.000	.000	.000	.000	.000	.000
X1	33.024	.000	.000	.000	5.000	5.000	5.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
NH	2.000	.025	11821.500	.035	16213.300	.000	.000	.000	.000	.000
ET	.000	.000	4.100	7862.000	11562.000	.000	.000	.000	.000	.000
X1	33.205	71.000	8080.800	11345.800	950.000	920.000	960.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1262.900	6050.000	1262.900	6481.100	1262.900	6948.600	1262.900	7258.200	1262.900	7286.300
GR	1261.500	7395.100	1260.700	7552.400	1259.200	7583.000	1259.300	7668.100	1257.100	7694.400
GR	1261.000	7743.900	1259.500	7771.000	1250.300	7839.800	1249.000	8080.800	1246.100	8206.000
GR	1242.300	8266.000	1245.700	8435.000	1243.600	8518.200	1240.900	8625.300	1253.300	8677.700
GR	1254.500	8728.300	1254.400	8933.700	1255.100	9150.000	1256.400	9561.000	1254.800	9579.500
GR	1254.800	9613.600	1256.500	9652.300	1258.200	9890.500	1256.600	9933.900	1257.500	10000.500
GR	1258.100	10047.900	1257.800	10281.300	1256.400	10400.700	1257.200	10564.300	1257.200	10774.700
GR	1254.700	10850.900	1249.400	10910.300	1251.000	10989.400	1249.100	11012.600	1251.600	11070.800
GR	1250.900	11172.000	1254.800	11195.400	1256.900	11277.100	1255.800	11332.600	1251.600	11345.800
GR	1249.800	11467.900	1248.700	11673.000	1250.600	11821.500	1260.800	11861.900	1261.200	12146.600
GR	1260.300	12509.500	1257.800	12711.300	1259.000	13001.700	1259.900	13096.400	1257.500	13402.700
GR	1259.600	13478.000	1259.900	13684.900	1258.000	13930.700	1258.700	14333.200	1259.000	14836.600
GR	1259.900	15000.700	1268.300	15095.000	1269.000	15155.200	1269.000	15255.200	1270.100	15403.400
GR	1270.200	15587.000	1272.600	15727.500	1271.000	15784.500	1274.900	15928.100	1275.000	16094.800
GR	1274.500	16213.300	.000	.000	.000	.000	.000	.000	.000	.000
NH	2.000	.025	11953.600	.035	16255.400	.000	.000	.000	.000	.000
ET	.000	.000	4.100	7749.000	11600.000	.000	.000	.000	.000	.000
X1	33.385	60.000	7749.300	11448.000	960.000	940.000	920.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1265.700	7670.000	1265.700	7706.700	1265.100	7749.300	1250.900	7771.900	1247.400	7902.400
GR	1242.900	8030.800	1244.800	8178.300	1250.900	8259.700	1249.700	8297.400	1254.500	8332.600
GR	1254.700	8389.500	1252.800	8471.200	1247.700	8706.700	1252.600	8732.400	1255.200	8795.100
GR	1257.100	8816.900	1256.300	8975.000	1255.200	9130.600	1252.600	9152.000	1253.200	9283.800
GR	1256.700	9307.000	1257.300	9437.100	1257.300	9600.000	1257.600	9826.400	1256.900	10000.000
GR	1257.600	10043.500	1257.600	10236.000	1258.700	10418.100	1256.600	10495.400	1257.600	10640.300
GR	1254.100	10662.400	1251.900	10816.000	1255.400	10836.600	1255.400	10907.900	1253.700	11121.800
GR	1255.200	11146.700	1257.300	11448.000	1251.900	11468.200	1249.400	11622.600	1251.600	11863.400
GR	1249.800	11953.600	1256.000	11997.200	1256.000	12047.400	1260.300	12068.700	1260.300	12233.300
GR	1258.800	12406.600	1259.000	12653.500	1258.200	13092.700	1259.400	13482.600	1259.400	13898.700
GR	1258.900	14389.500	1258.900	14733.200	1259.300	15155.400	1270.000	15196.300	1271.400	15366.400
GR	1271.300	15481.600	1267.000	15498.000	1268.200	15771.900	1272.500	16117.200	1274.400	16255.400
NH	2.000	.025	11776.100	.035	16082.500	.000	.000	.000	.000	.000
ET	.000	.000	4.100	7730.000	11600.000	.000	.000	.000	.000	.000
X1	33.557	48.000	7752.400	11413.900	880.000	920.000	890.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1265.200	7725.800	1244.500	7752.400	1243.500	7838.600	1245.100	7948.300	1254.700	8128.400
GR	1253.700	8222.500	1255.900	8300.400	1256.100	8412.700	1254.900	8593.700	1252.100	8732.200
GR	1254.000	8778.900	1254.600	8853.100	1252.800	9059.600	1254.300	9139.500	1256.800	9190.800
GR	1256.500	9291.200	1255.600	9325.000	1255.900	9484.000	1258.800	9510.200	1258.800	9684.100
GR	1259.100	9926.200	1258.200	10000.100	1258.300	10439.700	1258.400	10684.700	1253.400	10731.400
GR	1256.400	10961.300	1257.600	11231.800	1252.000	11413.900	1249.000	11654.600	1252.300	11776.100
GR	1262.600	11842.600	1261.400	12295.600	1261.100	12667.700	1260.800	12731.000	1262.600	12833.000

GR	1261.800	13229.900	1260.500	13721.600	1260.000	14164.800	1259.500	14611.500	1258.800	15023.300
GR	1260.700	15244.400	1262.600	15363.400	1262.600	15484.100	1271.000	15548.200	1273.200	15723.100
GR	1276.100	15881.800	1276.700	15991.400	1277.500	16082.500	.000	.000	.000	.000
QT	2.000	232500.000	232500.000	.000	.000	.000	.000	.000	.000	.000
NH	2.000	.025	11232.500	.035	15964.100	.000	.000	.000	.000	.000
ET	.000	.000	4.100	7794.000	11450.000	.000	.000	.000	.000	.000
X1	33.726	54.000	7794.300	11232.500	890.000	940.000	930.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1265.000	6694.000	1264.800	7285.900	1265.500	7305.900	1264.400	7756.900	1265.900	7794.300
GR	1258.200	7813.900	1243.900	7837.400	1243.900	7878.400	1246.300	7923.900	1249.100	8032.200
GR	1248.100	8091.200	1251.700	8213.600	1253.600	8297.300	1257.900	8497.400	1256.400	8688.500
GR	1251.600	8876.700	1258.200	8965.400	1258.200	9067.900	1255.700	9092.500	1254.700	9257.300
GR	1257.600	9398.200	1258.400	9620.200	1260.700	9643.800	1259.400	9847.200	1260.600	10000.000
GR	1259.100	10197.200	1260.200	10373.800	1259.400	10494.300	1254.300	10584.100	1253.500	10988.600
GR	1248.900	11187.100	1249.500	11232.500	1259.700	11308.600	1257.600	11394.500	1260.100	11446.800
GR	1260.800	11508.800	1263.200	11536.100	1262.400	11772.500	1262.300	11843.100	1264.800	11906.800
GR	1264.400	12055.800	1261.300	12127.400	1262.500	12193.300	1262.900	12313.700	1262.600	12571.800
GR	1263.100	13080.000	1260.800	13542.200	1260.700	14150.700	1258.800	14609.000	1258.900	15051.400
GR	1278.000	15122.200	1275.800	15418.100	1275.200	15660.400	1276.800	15964.100	.000	.000
NH	2.000	.025	11337.600	.035	15858.800	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8030.000	11300.000	.000	.000	.000	.000	.000
X1	33.892	65.000	8069.200	11130.400	870.000	910.000	880.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1268.100	6914.000	1270.300	6981.200	1268.500	7013.300	1268.000	7180.400	1266.200	7303.000
GR	1266.600	7903.300	1267.100	8020.800	1247.600	8069.200	1251.300	8209.100	1249.200	8341.700
GR	1245.700	8574.200	1247.400	8605.900	1259.100	8659.600	1262.000	8698.000	1260.700	8894.200
GR	1259.300	9002.600	1261.300	9094.400	1259.700	9179.500	1262.300	9230.900	1259.100	9263.600
GR	1255.500	9326.800	1257.800	9469.800	1257.500	9562.900	1260.500	9581.800	1262.900	9628.700
GR	1262.700	9857.700	1262.100	10000.300	1262.300	10130.100	1259.100	10143.700	1258.300	10274.400
GR	1254.000	10489.700	1252.500	10582.000	1254.600	10643.000	1255.400	10854.700	1254.000	10971.900
GR	1256.600	11018.600	1255.500	11130.400	1260.600	11154.200	1260.800	11266.000	1264.900	11337.600
GR	1263.300	11464.200	1265.300	11617.800	1266.100	11665.400	1265.300	11866.300	1262.300	11970.900
GR	1263.600	12134.400	1265.400	12201.800	1264.400	12450.300	1264.100	12673.400	1263.700	12972.500
GR	1263.800	13551.000	1264.200	13992.600	1264.200	14270.800	1267.700	14373.600	1268.000	14586.000
GR	1271.300	14772.700	1272.000	14870.400	1268.900	14875.700	1272.800	14949.800	1274.500	15131.400
GR	1276.000	15299.200	1281.100	15356.800	1278.100	15548.700	1279.600	15732.900	1280.300	15858.800
NH	2.000	.025	11315.700	.035	15690.100	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8450.000	11220.000	.000	.000	.000	.000	.000
X1	34.091	79.000	8453.800	10924.900	900.000	910.000	1050.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	1248.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1270.700	7200.400	1271.300	7380.600	1272.700	7436.200	1270.300	7446.100	1268.700	7632.600
GR	1258.900	7640.600	1258.900	7944.700	1260.600	7970.100	1277.700	7997.300	1270.800	8017.000
GR	1271.100	8057.900	1276.700	8128.700	1267.400	8146.200	1259.900	8153.000	1257.700	8175.000
GR	1270.100	8202.000	1267.800	8218.500	1269.900	8272.800	1241.000	8326.500	1211.100	8379.500
GR	1212.900	8453.800	1214.300	8464.900	1208.600	8483.300	1208.300	8569.800	1204.900	8615.900
GR	1202.400	8632.100	1202.000	8657.600	1229.600	8707.000	1231.400	8775.700	1249.300	8827.100
GR	1253.100	8977.900	1258.200	9034.400	1261.800	9132.800	1263.500	9246.200	1263.500	9333.900
GR	1260.700	9428.900	1258.800	9620.800	1260.100	9670.900	1259.600	9779.400	1257.600	10000.100
GR	1259.300	10035.600	1260.000	10121.800	1257.100	10145.400	1255.100	10231.500	1256.000	10372.700
GR	1259.900	10399.300	1261.100	10454.600	1259.600	10583.400	1261.400	10620.600	1260.300	10696.700

GR	1264.300	10724.700	1264.300	10790.800	1261.500	10803.500	1260.500	10924.900	1259.500	11100.100
GR	1262.900	11123.200	1261.800	11164.100	1263.100	11193.000	1263.200	11260.100	1268.100	11315.700
GR	1266.800	11477.300	1267.500	11558.300	1266.500	11831.200	1263.900	11870.100	1263.900	12024.100
GR	1266.300	12123.400	1267.400	12205.100	1267.300	12458.800	1267.500	12707.700	1267.300	13019.600
GR	1266.500	13408.700	1266.800	13578.700	1266.400	14033.100	1267.700	14452.200	1269.400	14847.800
GR	1270.900	15233.900	1273.400	15503.500	1281.600	15547.500	1282.600	15690.100	.000	.000
NH	2.000	.025	10095.700	.035	15323.900	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8859.600	11016.600	.000	.000	.000	.000	.000
X1	34.271	53.000	8723.000	11150.100	910.000	870.000	880.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1273.400	7220.000	1273.400	7405.800	1273.900	7430.800	1273.900	7453.200	1272.900	7470.200
GR	1272.900	7933.700	1271.000	7986.600	1270.300	8334.800	1279.900	8371.400	1271.000	8412.500
GR	1271.000	8448.200	1278.900	8480.600	1271.400	8537.500	1271.500	8592.100	1271.000	8608.800
GR	1271.500	8627.200	1270.900	8671.300	1275.900	8695.300	1275.500	8723.000	1255.100	8768.600
GR	1250.300	8814.900	1248.000	8859.600	1250.600	8880.700	1250.000	8972.600	1251.800	9111.900
GR	1257.800	9333.600	1258.300	9528.600	1260.000	9813.200	1259.700	10000.200	1260.000	10065.700
GR	1264.700	10095.700	1265.300	10395.500	1263.900	10582.100	1265.400	10664.100	1262.100	10702.800
GR	1260.800	10860.000	1262.100	10913.900	1261.900	10994.000	1265.100	11016.600	1266.000	11150.100
GR	1270.300	11198.500	1268.600	11242.800	1269.600	11429.300	1265.500	11670.400	1268.600	11822.100
GR	1269.000	12061.300	1269.000	12399.800	1268.500	12874.600	1268.500	13584.500	1268.000	14027.700
GR	1268.600	14464.200	1270.000	15029.600	1270.300	15323.900	.000	.000	.000	.000
NH	2.000	.025	10095.700	.035	15323.900	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8859.600	11016.600	.000	.000	.000	.000	.000
X1	34.272	.000	.000	.000	5.000	5.000	5.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
NH	3.000	.025	10955.600	.035	11869.400	.050	15240.500	.000	.000	.000
ET	.000	.000	4.100	8870.000	11140.000	.000	.000	.000	.000	.000
X1	34.453	51.000	8920.600	11281.700	900.000	900.000	900.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1278.800	7200.000	1279.200	7447.800	1279.500	7474.300	1279.500	7486.700	1277.500	7505.400
GR	1276.300	7586.100	1276.300	7623.900	1276.200	7717.600	1276.100	7739.100	1275.800	7861.400
GR	1276.200	8075.300	1275.100	8258.200	1273.200	8479.000	1270.100	8596.300	1274.100	8630.000
GR	1272.300	8724.800	1275.500	8765.600	1276.500	8863.200	1254.800	8920.600	1252.900	9139.400
GR	1249.500	9201.900	1250.500	9302.200	1254.600	9352.100	1261.700	9453.300	1262.100	9591.100
GR	1261.400	9763.700	1260.000	9798.400	1266.800	9835.800	1266.700	10000.100	1265.400	10473.400
GR	1262.300	10586.900	1261.400	10926.300	1268.000	10955.600	1268.600	11066.900	1262.500	11194.800
GR	1267.800	11222.000	1271.500	11281.700	1271.100	11442.900	1264.700	11583.600	1268.000	11660.600
GR	1267.300	11747.500	1269.700	11869.400	1269.500	12096.500	1271.300	12461.300	1269.600	13103.600
GR	1269.200	13441.400	1269.800	14006.000	1270.000	14535.000	1271.600	14903.500	1275.700	14991.100
GR	1274.400	15240.500	.000	.000	.000	.000	.000	.000	.000	.000
QT	2.000	235000.000	235000.000	.000	.000	.000	.000	.000	.000	.000
NH	3.000	.025	10756.500	.035	11685.400	.050	14912.000	.000	.000	.000
ET	.000	.000	4.100	9060.000	11170.000	.000	.000	.000	.000	.000
X1	34.642	63.000	9095.100	11178.900	1000.000	1070.000	1020.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1285.300	7237.000	1286.100	7477.400	1286.500	7508.600	1286.500	7523.000	1285.900	7734.400
GR	1285.100	7810.800	1282.500	7870.300	1280.100	8076.100	1280.100	8302.400	1274.000	8327.900
GR	1274.000	8525.800	1274.000	8538.000	1274.000	8552.700	1276.200	8564.500	1275.700	8584.300
GR	1274.000	8614.100	1284.800	8649.200	1284.900	8666.600	1276.400	8700.100	1277.100	8735.400
GR	1284.000	8812.700	1281.800	8946.500	1278.200	8983.400	1274.400	9056.500	1252.900	9095.100

GR	1251.100	9244.800	1247.900	9342.900	1254.900	9372.400	1260.200	9441.700	1260.200	9563.900
GR	1262.500	9736.800	1262.000	9836.100	1264.800	9904.500	1264.700	10000.100	1267.900	10148.100
GR	1268.100	10156.800	1266.300	10168.500	1266.100	10341.300	1262.500	10614.200	1261.800	10719.100
GR	1267.500	10756.500	1268.900	10900.900	1271.500	10985.700	1268.600	11022.700	1268.500	11060.700
GR	1272.800	11178.900	1268.700	11241.400	1270.700	11299.900	1264.700	11448.300	1271.300	11518.400
GR	1268.400	11599.200	1273.200	11685.400	1272.900	11907.200	1269.800	11988.100	1273.300	12075.300
GR	1271.500	12237.300	1272.200	12413.300	1272.300	12609.800	1272.700	12867.200	1271.900	13389.100
GR	1272.600	13865.100	1271.800	14326.900	1272.400	14912.000	.000	.000	.000	.000
NH	4.000	.040	9126.900	.025	10878.900	.035	12257.900	.050	14460.100	.000
ET	.000	.000	4.100	9100.000	11180.000	.000	.000	.000	.000	.000
X1	34.856	59.000	9126.900	11496.600	1160.000	1000.000	1060.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1292.000	7381.000	1291.500	7565.800	1289.600	7626.200	1290.300	7951.400	1287.600	8165.000
GR	1285.400	8506.600	1282.300	8799.200	1286.500	8816.100	1281.600	8843.900	1271.100	8862.000
GR	1271.100	8871.800	1281.000	8898.800	1278.800	8949.900	1276.900	9020.700	1256.400	9050.900
GR	1261.400	9073.700	1261.400	9092.200	1255.400	9126.900	1251.900	9290.400	1255.900	9406.500
GR	1257.600	9695.000	1262.000	9914.900	1263.100	10000.100	1266.100	10125.000	1263.800	10355.200
GR	1269.000	10442.400	1267.100	10518.700	1269.600	10679.500	1268.300	10735.300	1263.700	10756.500
GR	1264.100	10855.000	1271.500	10878.900	1272.200	11023.100	1270.400	11099.000	1272.800	11130.900
GR	1272.300	11183.200	1269.000	11202.000	1270.100	11255.100	1273.300	11330.400	1272.500	11457.900
GR	1274.400	11496.600	1269.100	11672.000	1273.700	11701.600	1275.200	11791.100	1274.000	11966.600
GR	1274.700	12038.800	1273.500	12128.100	1271.000	12149.600	1270.800	12201.700	1274.600	12257.900
GR	1275.100	12471.500	1275.800	12725.300	1275.300	12993.400	1275.500	13318.600	1274.000	13857.700
GR	1272.000	14166.800	1273.100	14248.800	1281.600	14335.200	1282.100	14460.100	.000	.000
NH	4.000	.040	8857.500	.025	11551.100	.035	12538.100	.050	14721.000	.000
ET	.000	.000	4.100	8850.000	11160.000	.000	.000	.000	.000	.000
X1	35.136	68.000	9646.300	10892.100	1250.000	690.000	1480.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1303.100	7384.000	1301.100	7652.200	1304.300	7671.100	1299.200	7682.300	1304.700	7699.600
GR	1304.700	7710.200	1299.000	7718.500	1299.300	7772.700	1306.100	7788.000	1306.300	7810.300
GR	1298.900	7842.900	1296.500	8041.200	1296.100	8365.900	1295.100	8435.000	1291.500	8439.700
GR	1287.600	8603.600	1289.700	8640.900	1285.400	8694.100	1284.000	8712.000	1284.000	8735.400
GR	1288.400	8770.300	1291.800	8796.700	1290.000	8830.800	1260.700	8857.500	1263.800	8955.700
GR	1263.300	9087.600	1263.000	9238.400	1266.500	9330.600	1268.100	9469.600	1269.500	9646.300
GR	1263.700	9681.200	1262.400	9728.500	1265.100	9778.600	1264.300	10000.200	1258.400	10273.700
GR	1256.600	10383.700	1256.300	10549.300	1270.200	10594.100	1269.900	10776.700	1266.300	10815.500
GR	1265.400	10874.200	1273.900	10892.100	1273.900	10955.900	1273.100	11115.000	1274.300	11150.300
GR	1272.000	11192.300	1272.300	11288.400	1275.200	11342.300	1274.700	11551.100	1269.600	11739.900
GR	1275.000	11783.400	1275.700	11835.400	1274.700	11917.600	1276.300	11992.600	1277.000	12172.800
GR	1272.200	12225.800	1274.700	12268.400	1276.300	12538.100	1276.700	12841.100	1276.000	13085.000
GR	1275.000	13460.300	1273.700	13913.900	1277.800	13987.900	1275.700	14178.000	1276.800	14309.800
GR	1279.300	14344.100	1282.300	14531.700	1277.600	14721.000	.000	.000	.000	.000
NH	4.000	.040	8745.800	.025	11573.000	.035	12068.200	.050	14676.800	.000
ET	.000	.000	4.100	8720.000	11250.000	.000	.000	.000	.000	.000
X1	35.297	77.000	10436.300	10969.600	1200.000	670.000	800.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1305.500	7009.000	1303.900	7198.400	1311.800	7231.700	1312.400	7258.800	1304.100	7276.000
GR	1304.100	7293.300	1299.300	7301.000	1299.300	7369.400	1307.000	7387.000	1308.300	7457.100
GR	1303.400	7485.400	1303.100	7532.100	1305.800	7546.900	1302.300	7579.600	1302.900	7640.600
GR	1305.800	7685.900	1303.500	7811.900	1295.600	7845.200	1302.500	7876.000	1298.700	8112.700
GR	1293.900	8290.200	1298.400	8326.600	1296.600	8372.800	1284.000	8408.900	1284.000	8439.100

GR	1292.700	8476.700	1298.500	8516.800	1295.000	8535.000	1298.000	8572.400	1286.900	8685.100
GR	1266.200	8745.800	1264.400	8784.100	1268.900	8917.900	1272.300	8940.400	1264.400	8986.000
GR	1266.300	9119.800	1265.400	9434.500	1269.900	9508.600	1269.900	9651.500	1271.900	9751.400
GR	1269.200	10000.200	1268.600	10038.600	1266.700	10081.800	1265.500	10292.100	1267.400	10321.000
GR	1266.800	10436.300	1263.700	10495.500	1258.400	10523.500	1258.500	10679.900	1255.900	10803.800
GR	1261.900	10835.200	1264.800	10936.400	1274.000	10969.600	1275.900	11001.300	1276.300	11052.600
GR	1274.500	11218.900	1277.300	11267.600	1274.900	11310.100	1276.400	11453.700	1275.900	11573.000
GR	1273.200	11643.700	1274.500	11856.800	1276.300	11941.400	1274.900	12015.600	1278.200	12068.200
GR	1276.700	12207.500	1277.300	12557.200	1276.600	13020.900	1276.600	13425.700	1277.000	13519.000
GR	1283.800	13573.200	1285.000	13685.100	1285.400	13814.200	1282.200	14001.500	1281.000	14185.600
GR	1282.200	14398.800	1280.500	14676.800	.000	.000	.000	.000	.000	.000
NH	3.000	.040	8882.200	.025	11424.400	.050	14062.600	.000	.000	.000
ET	.000	.000	4.100	8850.000	11350.000	.000	.000	.000	.000	.000
X1	35.480	58.000	10498.800	11026.900	1060.000	720.000	950.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1296.300	7087.000	1299.000	7264.600	1299.000	7532.500	1306.300	7590.500	1305.700	7642.700
GR	1296.600	7657.200	1296.600	7730.600	1306.100	7750.700	1306.200	7781.700	1304.900	7856.100
GR	1297.300	7879.200	1297.100	8044.200	1297.500	8232.100	1288.300	8269.100	1298.100	8304.800
GR	1290.800	8448.000	1284.000	8491.200	1284.000	8534.000	1289.400	8583.600	1276.300	8639.500
GR	1279.900	8670.000	1280.000	8848.800	1269.500	8882.200	1265.600	8971.200	1265.700	9321.900
GR	1269.200	9357.700	1271.300	9548.900	1268.000	9691.200	1272.500	9717.100	1273.400	9911.500
GR	1269.800	10000.300	1267.900	10090.500	1270.900	10355.400	1269.000	10498.800	1262.300	10579.400
GR	1256.400	10599.900	1256.300	10670.000	1259.000	10824.700	1263.800	10882.700	1265.900	11026.900
GR	1265.300	11168.500	1263.100	11209.400	1267.400	11304.100	1273.000	11342.800	1278.200	11424.400
GR	1279.300	11562.600	1277.000	11668.900	1279.900	11715.000	1278.200	11798.300	1279.000	12057.600
GR	1278.100	12327.000	1277.800	12726.100	1280.200	12798.700	1279.400	13012.100	1280.900	13256.000
GR	1282.800	13466.000	1284.600	13723.800	1283.000	14062.600	.000	.000	.000	.000
NH	2.000	.025	11393.700	.040	13726.000	.000	.000	.000	.000	.000
QT	2.000	237500.000	237500.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8790.000	11400.000	.000	.000	.000	.000	.000
X1	35.661	59.000	10209.200	11055.000	1020.000	900.000	950.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1317.200	7051.000	1315.900	7188.100	1308.700	7250.400	1307.400	7300.500	1311.600	7316.300
GR	1311.600	7333.900	1307.200	7347.000	1303.900	7436.600	1303.300	7555.700	1310.300	7581.200
GR	1309.000	7604.900	1297.800	7619.500	1297.800	7670.500	1306.900	7685.400	1305.800	7727.600
GR	1298.800	7755.600	1295.900	7818.200	1296.100	7886.500	1293.400	7929.000	1287.800	8176.700
GR	1292.800	8211.300	1285.600	8270.500	1284.800	8456.800	1287.100	8494.500	1276.700	8531.500
GR	1278.700	8637.200	1282.100	8664.600	1281.100	8797.600	1271.800	8836.500	1272.700	9032.800
GR	1262.800	9103.900	1265.300	9261.900	1267.700	9278.400	1271.200	9438.400	1273.200	9670.900
GR	1273.600	9802.800	1271.900	9883.000	1274.300	10000.300	1274.500	10112.900	1275.500	10209.200
GR	1270.000	10374.800	1263.500	10587.400	1258.200	10628.800	1258.000	10780.400	1266.100	10811.400
GR	1269.600	11055.000	1266.000	11239.400	1267.600	11393.700	1280.600	11412.800	1281.800	11523.200
GR	1281.600	11782.900	1280.400	12036.200	1283.900	12275.300	1286.000	12322.400	1285.600	12568.400
GR	1286.400	12799.300	1287.100	13083.700	1285.900	13392.500	1284.000	13726.000	.000	.000
NH	2.000	.025	10682.400	.040	10862.500	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8750.000	10850.000	.000	.000	.000	.000	.000
X1	36.011	48.000	9618.600	10862.500	1810.000	1840.000	1820.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1301.900	6653.000	1300.700	6843.600	1314.200	6932.100	1316.500	7001.300	1309.000	7021.300
GR	1323.500	7111.700	1320.000	7219.700	1307.400	7288.200	1307.900	7317.700	1297.800	7350.400

GR	1297.800	7489.100	1308.000	7539.100	1307.200	7706.300	1302.500	7799.700	1304.800	7843.400
GR	1297.700	7946.500	1284.700	7987.500	1284.000	8043.600	1288.100	8097.600	1287.700	8130.100
GR	1297.900	8203.200	1278.200	8241.400	1278.500	8288.200	1294.700	8323.300	1295.500	8347.600
GR	1287.500	8376.700	1285.000	8513.200	1286.900	8686.900	1272.000	8725.700	1272.000	8810.400
GR	1272.000	8859.800	1272.000	8918.600	1275.500	9023.000	1276.900	9206.300	1271.500	9225.700
GR	1270.000	9342.200	1273.100	9359.800	1273.800	9580.900	1275.500	9618.600	1273.200	9857.600
GR	1270.800	10000.200	1267.300	10096.900	1267.300	10232.300	1265.300	10476.800	1260.500	10682.400
GR	1267.900	10713.900	1270.200	10817.700	1287.400	10862.500	.000	.000	.000	.000
NH	2.000	.025	10641.000	.040	12423.800	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8730.000	10700.000	.000	.000	.000	.000	.000
X1	36.203	55.000	9495.800	10769.000	920.000	930.000	920.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1316.900	6566.000	1310.700	6651.400	1308.600	6713.400	1306.700	6794.900	1314.900	6854.900
GR	1305.800	6883.500	1298.900	6909.700	1299.000	6975.000	1306.200	6994.200	1309.200	7130.600
GR	1308.200	7254.700	1303.500	7370.000	1293.500	7427.200	1292.100	7572.000	1295.400	7603.600
GR	1296.200	7685.200	1292.200	7710.500	1299.300	7752.900	1295.700	7837.500	1288.400	7892.900
GR	1288.500	8036.300	1299.000	8115.700	1277.200	8155.500	1276.800	8200.000	1297.000	8247.000
GR	1287.400	8312.000	1284.600	8535.100	1283.200	8732.300	1274.800	8748.600	1276.600	9099.000
GR	1274.600	9323.600	1280.100	9385.000	1281.800	9495.800	1276.200	9536.700	1277.600	9778.800
GR	1270.500	10000.100	1266.200	10041.300	1264.500	10340.000	1262.100	10424.800	1264.000	10569.300
GR	1270.800	10599.400	1263.500	10641.000	1269.400	10722.900	1288.000	10769.000	1288.000	10794.500
GR	1288.000	10852.300	1288.000	10882.100	1288.000	10973.700	1288.000	11015.600	1288.000	11134.400
GR	1288.000	11322.300	1287.200	11590.000	1286.700	11924.000	1286.400	12170.900	1287.000	12423.800
NH	2.000	.025	10719.400	.040	11318.200	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8800.000	10750.000	.000	.000	.000	.000	.000
X1	36.403	40.000	9583.800	10761.500	1050.000	1030.000	1020.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1310.100	6981.400	1307.900	7137.800	1305.200	7253.300	1310.700	7269.300	1300.000	7298.500
GR	1300.000	7349.100	1306.800	7363.800	1307.700	7386.300	1301.400	7439.300	1298.800	7645.700
GR	1296.200	7867.100	1293.000	8158.000	1290.500	8284.900	1292.600	8299.700	1287.800	8319.500
GR	1292.300	8338.700	1290.900	8368.500	1305.500	8419.600	1279.200	8469.900	1277.300	8524.000
GR	1301.400	8576.400	1291.400	8611.900	1288.000	8733.100	1281.500	8836.300	1276.500	8853.700
GR	1277.100	9012.500	1279.800	9325.400	1283.900	9583.800	1280.800	9820.800	1277.100	9835.000
GR	1277.800	9950.800	1273.800	9983.000	1272.800	10000.000	1270.200	10106.900	1266.000	10382.800
GR	1265.300	10719.400	1287.000	10761.500	1292.300	10796.400	1293.600	11045.200	1295.200	11318.200
NH	2.000	.025	10719.400	.040	11318.200	.000	.000	.000	.000	.000
ET	.000	.000	4.100	8800.000	10750.000	.000	.000	.000	.000	.000
X1	36.404	.000	.000	.000	5.000	5.000	5.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
NH	3.000	.040	9065.900	.025	10590.800	.040	11159.800	.000	.000	.000
ET	.000	.000	4.100	9030.000	10650.000	.000	.000	.000	.000	.000
X1	36.595	45.000	9914.600	10666.500	1020.000	970.000	970.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1326.600	7256.400	1321.600	7502.400	1318.700	7570.000	1320.400	7609.000	1320.800	7655.300
GR	1314.900	7810.600	1308.000	7958.000	1317.800	7980.300	1318.500	7998.300	1309.400	8017.200
GR	1302.300	8033.800	1302.300	8080.600	1309.200	8096.800	1309.700	8139.500	1305.800	8154.500
GR	1309.400	8218.200	1308.800	8320.000	1310.700	8405.300	1309.500	8510.800	1297.500	8583.800
GR	1297.600	8632.500	1291.100	8664.900	1299.300	8706.000	1310.600	8738.500	1280.200	8791.400
GR	1278.900	8838.800	1306.000	8893.500	1292.700	8930.700	1290.300	9001.700	1284.000	9048.500
GR	1278.500	9065.900	1280.400	9224.000	1280.300	9429.400	1280.000	9696.200	1280.000	9914.600

GR	1275.500	10000.000	1275.400	10057.300	1270.100	10145.900	1270.600	10395.600	1262.600	10454.400
GR	1266.500	10525.900	1265.700	10590.800	1294.800	10666.500	1298.100	10924.000	1299.200	11159.800
ET	.000	.000	4.100	9030.000	10650.000	.000	.000	.000	.000	.000
NH	3.000	.040	9065.900	.025	10590.800	.040	11159.800	.000	.000	.000
X1	36.596	.000	.000	.000	5.000	5.000	5.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
QT	2.000	240000.000	240000.000	.000	.000	.000	.000	.000	.000	.000
NH	3.000	.040	9337.000	.025	10574.600	.040	10680.300	.000	.000	.000
ET	.000	.000	4.100	9250.000	10650.000	.000	.000	.000	.000	.000
X1	36.775	22.000	10039.000	10680.300	980.000	940.000	940.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1308.300	7824.000	1301.400	8400.000	1301.400	9046.900	1281.400	9098.600	1281.600	9137.400
GR	1300.800	9184.800	1301.200	9223.500	1285.000	9268.000	1286.100	9316.600	1279.000	9337.000
GR	1281.000	9419.600	1280.100	9520.800	1281.800	9799.400	1280.100	10000.000	1280.700	10039.000
GR	1274.100	10060.600	1270.600	10236.000	1268.900	10331.100	1270.200	10369.300	1268.400	10534.400
GR	1265.700	10574.600	1302.300	10680.300	.000	.000	.000	.000	.000	.000
NH	3.000	.040	9438.500	.025	10743.200	.040	10831.700	.000	.000	.000
ET	.000	.000	4.100	9440.000	10800.000	.000	.000	.000	.000	.000
X1	36.953	33.000	9875.700	10831.700	920.000	920.000	920.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1312.800	8056.600	1307.400	8195.600	1305.900	8277.200	1309.800	8298.000	1310.200	8314.800
GR	1301.800	8321.700	1301.800	8373.000	1309.400	8381.200	1310.000	8408.500	1300.200	8458.000
GR	1300.700	8504.000	1305.600	8537.000	1300.000	8570.700	1300.200	8662.600	1308.600	8721.400
GR	1309.100	8757.700	1299.300	8805.800	1302.000	8977.300	1304.200	9205.500	1289.900	9308.700
GR	1286.400	9413.800	1278.000	9438.500	1278.900	9462.800	1279.800	9606.000	1278.400	9875.700
GR	1276.200	10000.000	1273.000	10197.600	1269.600	10225.200	1268.400	10390.300	1274.900	10428.800
GR	1275.500	10641.400	1273.600	10743.200	1305.000	10831.700	.000	.000	.000	.000
NH	3.000	.060	9527.200	.030	10565.500	.040	12201.500	.000	.000	.000
ET	.000	.000	4.100	9450.000	10800.000	.000	.000	.000	.000	.000
X1	37.152	39.000	9429.300	10631.800	930.000	910.000	990.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1311.200	8124.300	1307.600	8358.300	1312.100	8395.500	1311.900	8421.600	1301.600	8442.300
GR	1301.600	8504.100	1308.400	8520.600	1308.900	8545.500	1303.900	8579.100	1302.900	8635.800
GR	1306.900	8675.100	1303.500	8831.700	1308.500	8921.100	1308.500	9024.600	1306.500	9240.900
GR	1307.200	9429.300	1286.200	9465.900	1285.000	9495.300	1272.900	9527.200	1273.700	9649.900
GR	1274.100	9849.100	1275.800	9942.400	1273.400	10000.000	1278.300	10033.000	1279.500	10188.400
GR	1276.700	10286.800	1274.500	10473.100	1272.500	10565.500	1275.500	10596.100	1288.300	10631.800
GR	1286.800	10718.200	1281.400	10840.300	1280.100	10933.900	1294.300	10999.600	1298.200	11176.600
GR	1299.800	11371.100	1303.400	11666.300	1304.300	11885.900	1303.600	12201.500	.000	.000
NH	3.000	.060	9460.000	.030	10534.600	.040	11809.700	.000	.000	.000
ET	.000	.000	4.100	9351.000	10701.000	.000	.000	.000	.000	.000
X1	37.328	35.000	9388.600	10751.300	930.000	910.000	940.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1315.100	8386.300	1314.700	8704.000	1302.700	8724.700	1302.700	8783.800	1308.400	8795.800
GR	1309.100	8831.500	1301.200	8885.800	1301.700	9070.600	1304.900	9291.400	1291.000	9354.400
GR	1295.600	9371.200	1290.700	9388.600	1281.200	9443.200	1270.900	9460.000	1270.900	9650.800
GR	1273.100	9669.100	1279.400	9782.800	1280.100	9930.400	1280.700	10000.000	1280.000	10048.600

GR	1278.800	10127.200	1280.200	10237.300	1279.300	10336.600	1277.100	10429.000	1282.600	10534.600
GR	1284.800	10628.800	1285.300	10700.600	1290.200	10751.300	1289.300	10887.500	1291.100	10973.300
GR	1287.300	11027.000	1287.700	11234.900	1305.200	11279.600	1303.600	11537.000	1298.700	11809.700
NH	3.000	.060	9497.000	.030	10682.300	.040	11653.500	.000	.000	.000
ET	.000	.000	4.100	9450.000	10720.000	.000	.000	.000	.000	.000
X1	37.523	30.000	9368.700	10437.900	910.000	1020.000	930.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1316.200	8791.300	1310.500	8894.400	1308.200	8972.600	1311.800	8981.700	1312.100	9004.800
GR	1303.900	9016.600	1303.900	9071.400	1309.400	9084.000	1310.000	9116.500	1299.900	9197.800
GR	1300.500	9252.600	1297.400	9368.700	1287.800	9460.800	1273.000	9497.000	1273.300	9578.300
GR	1274.900	9594.500	1279.500	10000.000	1279.400	10367.100	1283.500	10437.900	1284.200	10682.300
GR	1295.000	10730.700	1296.200	10811.100	1295.800	10984.500	1310.000	11036.500	1311.800	11296.900
GR	1310.100	11383.800	1308.500	11391.100	1309.900	11432.300	1305.900	11611.700	1302.800	11653.500
QT	2.000	242500.000	242500.000	.000	.000	.000	.000	.000	.000	.000
NH	3.000	.060	9650.100	.030	10413.400	.040	11412.500	.000	.000	.000
ET	.000	.000	4.100	9561.400	10487.300	.000	.000	.000	.000	.000
X1	37.720	31.000	9561.400	10487.300	830.000	890.000	890.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1326.500	9123.300	1311.400	9184.800	1313.000	9230.900	1309.600	9254.000	1303.300	9264.200
GR	1303.300	9324.200	1310.300	9336.300	1311.300	9361.800	1300.300	9400.600	1297.300	9499.900
GR	1292.800	9534.400	1297.900	9561.400	1287.100	9617.100	1274.000	9650.100	1275.400	9708.300
GR	1277.600	9726.400	1278.300	9942.700	1279.000	10000.000	1279.500	10311.300	1275.800	10326.200
GR	1275.800	10413.400	1297.700	10487.300	1298.000	10606.700	1294.000	10652.700	1299.100	10715.200
GR	1298.900	10817.500	1296.500	10882.900	1313.100	10970.400	1313.200	11154.200	1313.500	11364.400
GR	1321.900	11412.500	.000	.000	.000	.000	.000	.000	.000	.000
NH	6.000	.070	9529.500	.035	10229.600	.070	10240.000	.030	10431.600	.070
NH	10615.000	.040	11385.100	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	9711.200	10615.000	.000	.000	.000	.000	.000
X1	37.898	35.000	9711.200	10615.000	880.000	950.000	940.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1376.900	9052.600	1372.700	9118.900	1337.600	9244.100	1309.500	9363.900	1310.900	9384.600
GR	1310.300	9393.800	1310.300	9453.900	1310.300	9464.400	1310.300	9488.900	1301.100	9529.500
GR	1288.500	9711.200	1280.300	9740.800	1281.400	9945.500	1277.700	9966.400	1278.100	10000.000
GR	1278.700	10229.600	1274.500	10240.000	1275.700	10431.600	1279.400	10463.200	1277.200	10526.500
GR	1282.500	10543.900	1283.600	10566.300	1299.200	10615.000	1299.700	10677.100	1293.800	10725.200
GR	1298.600	10757.900	1298.900	10822.800	1302.400	10944.300	1300.700	10982.600	1302.400	10994.800
GR	1303.000	11110.800	1308.300	11151.800	1311.700	11285.300	1312.700	11371.900	1315.100	11385.100
NH	5.000	.035	10000.000	.060	10210.300	.030	10438.000	.070	10753.600	.040
NH	10972.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	9700.000	10753.600	.000	.000	.000	.000	.000
X1	38.074	32.000	9875.800	10753.600	1020.000	970.000	980.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1328.100	9136.600	1320.200	9228.400	1319.900	9261.400	1313.600	9294.100	1313.600	9326.800
GR	1311.700	9339.400	1311.700	9397.000	1311.700	9406.000	1311.700	9426.100	1296.800	9460.000
GR	1300.600	9601.900	1296.800	9710.800	1287.400	9744.400	1286.200	9827.200	1287.400	9875.800
GR	1284.900	9946.600	1281.800	10000.000	1278.200	10078.600	1277.000	10101.100	1276.500	10193.500
GR	1276.100	10210.300	1276.100	10438.000	1280.800	10462.300	1277.100	10600.000	1284.100	10626.700
GR	1283.600	10643.200	1301.500	10753.600	1303.300	10825.300	1308.300	10837.900	1308.300	10856.500
GR	1312.300	10876.900	1314.500	10972.000	.000	.000	.000	.000	.000	.000

NH	5.000	.035	10000.000	.040	10239.100	.030	10313.500	.040	10595.500	.060
NH	10920.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	9800.000	10850.000	.000	.000	.000	.000	.000
X1	38.261	30.000	10141.900	10880.500	980.000	970.000	980.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1347.800	9076.300	1339.600	9116.500	1330.700	9227.500	1310.100	9262.300	1310.500	9280.600
GR	1309.600	9285.700	1309.600	9344.200	1309.600	9355.000	1309.600	9385.000	1303.600	9465.400
GR	1294.900	9513.700	1299.900	9548.500	1292.800	9688.300	1286.700	9758.800	1290.200	9834.400
GR	1290.200	10000.000	1291.900	10141.900	1288.400	10180.300	1274.200	10239.100	1274.200	10313.500
GR	1276.300	10330.000	1280.900	10461.700	1276.100	10520.200	1276.000	10595.500	1280.500	10623.400
GR	1284.300	10694.500	1294.700	10768.300	1297.900	10819.900	1311.500	10880.500	1312.300	10920.000
NH	5.000	.035	10000.000	.050	10319.800	.030	10534.600	.040	10808.500	.030
NH	11539.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ET	.000	.000	4.100	9750.000	10857.400	.000	.000	.000	.000	.000
X1	38.439	34.000	10000.000	10857.400	910.000	920.000	940.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1315.400	8974.600	1309.500	9129.400	1310.600	9182.200	1313.300	9202.300	1310.900	9209.800
GR	1311.100	9224.200	1310.200	9236.200	1310.200	9292.300	1310.200	9308.800	1310.200	9400.000
GR	1306.000	9493.900	1290.400	9579.400	1292.100	9686.200	1292.000	10000.000	1288.600	10275.700
GR	1283.500	10304.800	1276.400	10319.800	1276.400	10534.600	1284.900	10565.200	1285.300	10611.400
GR	1278.500	10629.100	1278.500	10661.800	1281.800	10682.800	1283.300	10808.500	1310.700	10857.400
GR	1310.700	10874.200	1303.000	10884.800	1303.000	10938.500	1314.500	10960.400	1314.500	11022.800
GR	1325.700	11044.400	1325.700	11268.200	1316.500	11371.700	1316.000	11539.000	.000	.000
NH	4.000	.035	10351.800	.040	10536.700	.030	10713.800	.065	10920.300	.000
ET	.000	.000	4.100	9600.000	10802.600	.000	.000	.000	.000	.000
X1	38.636	24.000	9635.200	10802.600	930.000	980.000	970.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1316.800	9011.100	1311.100	9205.100	1308.700	9336.800	1313.300	9355.800	1310.100	9365.400
GR	1311.100	9380.400	1310.100	9390.000	1310.100	9450.600	1310.100	9459.600	1310.100	9488.400
GR	1296.200	9631.600	1294.000	9635.200	1295.800	9825.600	1293.800	9974.800	1290.200	10000.000
GR	1289.900	10027.000	1285.600	10331.800	1283.100	10433.700	1285.300	10476.100	1277.200	10536.700
GR	1277.200	10713.800	1309.600	10802.600	1314.800	10877.400	1315.400	10920.300	.000	.000
QT	2.000	245000.000	245000.000	.000	.000	.000	.000	.000	.000	.000
NH	4.000	.035	10287.200	.040	10437.500	.030	10491.000	.040	10754.300	.000
X1	38.822	20.000	9851.800	10647.400	790.000	1020.000	970.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
GR	1311.500	9445.100	1309.800	9504.800	1301.100	9543.400	1293.000	9692.700	1288.700	9715.200
GR	1292.700	9851.800	1287.300	9922.400	1286.300	10000.000	1284.400	10024.900	1283.400	10194.700
GR	1281.900	10287.200	1279.600	10339.300	1276.600	10437.500	1276.600	10491.000	1278.500	10522.900
GR	1284.100	10595.500	1292.100	10647.400	1292.100	10684.300	1318.800	10733.700	1319.500	10754.300
NH	4.000	.035	10000.000	.040	10175.300	.030	10247.500	.040	10800.200	.000
X1	39.009	25.000	9458.700	10672.900	800.000	1000.000	950.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1319.400	9105.900	1315.200	9244.400	1316.100	9314.200	1310.800	9337.000	1310.900	9394.700
GR	1315.000	9458.700	1309.100	9505.900	1294.600	9597.200	1288.500	9637.700	1284.300	9759.100
GR	1284.700	9923.200	1285.600	10000.000	1282.700	10156.900	1279.500	10175.300	1279.500	10247.500
GR	1283.100	10300.600	1285.700	10433.400	1284.000	10496.100	1287.900	10539.600	1286.900	10569.600

GR	1313.800	10633.000	1314.500	10672.900	1310.300	10681.400	1310.500	10760.500	1340.700	10800.200
NC	.035	.035	.035	.000	.000	.000	.000	.000	.000	.000
X1	39.098	31.000	9451.900	10657.400	400.000	530.000	480.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1323.000	9143.800	1322.300	9317.900	1307.900	9374.800	1307.900	9432.100	1311.900	9451.900
GR	1311.100	9470.500	1288.800	9504.800	1289.100	9545.000	1292.900	9557.500	1289.500	9584.300
GR	1287.300	9645.000	1282.100	9734.300	1285.200	10000.000	1283.500	10129.900	1283.800	10198.800
GR	1291.300	10269.300	1288.800	10329.700	1289.100	10343.300	1294.600	10370.300	1287.700	10422.100
GR	1281.700	10531.000	1286.200	10549.900	1286.100	10614.700	1313.500	10657.400	1312.000	10690.600
GR	1306.600	10723.500	1306.700	10770.700	1312.600	10820.400	1313.500	11032.300	1313.100	11230.900
GR	1311.600	11675.700	.000	.000	.000	.000	.000	.000	.000	.000
X1	39.116	23.000	9460.800	10602.000	90.000	90.000	90.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.000	.000	.000	.000	15.000
X3	10.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
GR	1323.000	9135.000	1324.200	9320.500	1307.300	9374.900	1307.700	9436.000	1320.600	9460.800
GR	1296.500	9479.200	1293.500	9589.400	1287.100	9837.600	1286.800	10000.000	1287.300	10067.600
GR	1288.100	10277.300	1298.500	10356.900	1291.500	10408.400	1287.500	10498.000	1303.000	10521.200
GR	1299.000	10527.100	1299.400	10588.100	1318.900	10602.000	1306.800	10659.500	1306.800	10722.800
GR	1312.000	10761.200	1312.000	11160.300	1312.200	11606.200	.000	.000	.000	.000
EJ	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

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

*PROF 1

CCHV=    .300 CEHV=    .500
*SECNO 28.358
    28.36     18.31   1217.31       .00   1217.31   1218.87      1.56       .00       .00   1218.00
  225000.        0.   225000.        0.        0.   22469.        0.        0.        0.   1220.00
     .00       .00     10.01       .00      .025      .025      .025      .000   1199.00   5001.92
  .000657        0.        0.        0.         0         0         0       .00   1328.67   6330.59

FLOW DISTRIBUTION FOR SECNO=     28.36          CWSEL=   1217.31

STA=    5002.    6340.
  PER Q=    100.0
   AREA=  22468.8
    VEL=     10.0

CCHV=    .100 CEHV=    .300
1490 NH CARD USED
*SECNO 28.646

3301 HV CHANGED MORE THAN HVINS

    28.65     20.83   1218.03       .00       .00   1220.68      2.65      1.48       .33   1213.70
  225000.    37595.   171889.    15516.     4225.    12130.     2042.      718.       55.   1213.00
     .03      8.90     14.17      7.60      .025      .025      .025      .000   1197.20   9318.62
  .001579    1650.     1520.     1450.         2         0         0       .00   1811.74  11130.36

FLOW DISTRIBUTION FOR SECNO=     28.65          CWSEL=   1218.03

STA=    9319.    9502.    9637.    9946.   10770.   11085.   11130.
  PER Q=      4.0      6.4      6.3     76.4      6.5       .4
   AREA=   1095.8   1327.4   1802.2  12129.5   1885.7    155.8
    VEL=      8.3     10.8      7.8     14.2      7.8      5.4

*SECNO 28.831

3301 HV CHANGED MORE THAN HVINS

    28.83     21.50   1220.50       .00       .00   1221.67      1.17       .85       .15   1204.70
  225000.   129616.    59965.    35419.    14934.     6012.     5944.     1227.       99.   1207.10
     .06      8.68      9.97      5.96      .025      .025      .025      .000   1199.00   9201.81
  .000542     950.     1000.     1010.         3         0         0       .00   2044.90  11246.71
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     COKAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     28.83          CWSEL=   1220.50

STA=    9202.     9280.     9450.     9516.     9860.    10000.    10186.    10496.    10651.    10993.    11123.    11247.
  PER Q=      2.5      17.4       4.0      14.7       8.1      10.9      26.7       7.0       6.7       1.3        .7
   AREA=    840.6    3655.3    1038.0    4386.5    2143.7    2869.4    6011.8    2046.4    2729.3     698.4     470.2
    VEL=      6.6      10.7       8.6       7.6       8.5       8.6      10.0       7.7       5.5       4.2       3.4

*SECNO 29.017
    29.02     21.89   1220.99       .00       .00   1222.35      1.36       .62       .06   1209.40
  225000.    62916.   138618.    23467.     8150.    13192.     4319.     1837.      148.   1215.30
      .10      7.72     10.51      5.43      .025      .025      .025      .000   1199.10   9105.07
  .000698     1000.     1020.     1020.         2         0         0       .00   2216.23  11321.30

FLOW DISTRIBUTION FOR SECNO=     29.02          CWSEL=   1220.99

STA=    9105.     9179.     9445.     9862.    10620.    10637.    10693.    10750.    11321.
  PER Q=      1.4      11.8      14.7      61.6        .3       1.4       1.9       6.8
   AREA=    542.3    3214.9    4392.3   13191.9     115.7     482.8     580.7    3139.5
    VEL=      5.9       8.3       7.5      10.5       5.6       6.6       7.4       4.9

*SECNO 29.221
    29.22     19.99   1221.49       .00       .00   1223.34      1.85       .84       .15   1208.00
  225000.    72300.   122774.    29926.     6608.    10585.     3986.     2369.      193.   1213.50
      .12     10.94     11.60      7.51      .025      .025      .025      .000   1201.50   9187.10
  .001054      950.     1020.      970.         2         0         0       .00   1738.57  10925.68

FLOW DISTRIBUTION FOR SECNO=     29.22          CWSEL=   1221.49

STA=    9187.     9234.     9409.     9685.    10403.    10756.    10900.    10926.
  PER Q=      1.1      12.6      18.4      54.6       9.0       4.1        .3
   AREA=    345.3    2503.1    3759.7   10584.6    2700.5    1170.1     115.4
    VEL=      7.1      11.4      11.0      11.6       7.5       7.8       5.1

*SECNO 29.473

3265 DIVIDED FLOW

    29.47     20.05   1223.05       .00       .00   1224.44      1.38      1.05       .05   1206.70
  225000.    38548.   122749.    63702.     3885.    11649.     9922.     2980.      245.   1216.00
      .16      9.92     10.54      6.42      .025      .025      .025      .000   1203.00   8852.45
  .000779     1030.     1300.      970.         2         0         0       .00   2380.71  11422.33
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CURAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     29.47          CWSEL=   1223.05

STA=    8852.    8887.    8932.    9151.    9370.   10097.   11008.   11300.   11422.
  PER Q=       .1       .1       .6     16.3     54.6     17.5      9.1      1.7
   AREA=     69.5     92.0    229.8   3493.8  11649.1   6437.4   2758.8    725.5
    VEL=      2.6      2.7      6.0     10.5     10.5      6.1      7.4      5.4

*SECNO 29.676

3301 HV CHANGED MORE THAN HVINS

    29.68    25.88  1224.28      .00      .00  1225.06      .78      .56      .06  1214.90
  225000.   30432.   52908.  141661.    3583.    5774.   24648.    3675.     308.   1210.80
      .20     8.49     9.16     5.75     .025     .025     .025     .000  1198.40  8820.15
  .000409     920.    1060.    1020.        2        0        0      .00  3017.26 11837.41

FLOW DISTRIBUTION FOR SECNO=     29.68          CWSEL=   1224.28

STA=    8820.    8958.    9013.    9284.    9616.    9869.    9994.   10883.   11121.   11446.   11592.   11669.   11837.
  PER Q=      10.8      2.7     23.5     12.6      9.4      3.6     10.2      4.9      7.2      3.8      4.6      6.8
   AREA=    2748.2    835.0   5774.4   4288.2   3216.3   1372.5   5584.7   2134.9   3027.4   1486.0   1303.4   2234.2
    VEL=      8.9      7.3      9.2      6.6      6.6      5.9      4.1      5.2      5.3      5.7      7.9      6.8

*SECNO 29.981

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    29.98    15.69  1224.79  1224.79      .00  1228.68     3.89     1.31      .93  1222.90
  225000.    9091.  115236.  100673.     915.    7087.    6380.    4411.     382.   1225.00
      .22     9.93     16.26    15.78     .025     .025     .025     .000  1209.10  8930.89
  .004356    1530.    1600.    1180.       20       14        0      .00  1900.99 10833.33

FLOW DISTRIBUTION FOR SECNO=     29.98          CWSEL=   1224.79

STA=    8931.    8944.    9055.    9163.   10000.   10041.   10104.   10378.   10459.   10590.   10774.   10788.   10833.
  PER Q=       .1      2.3      1.7     51.2       .7      2.9     14.6      8.8      9.2      6.9       .9       .9
   AREA=     22.0    492.4    400.7  7087.1    156.0    446.3   2131.3    967.3   1203.9   1153.6    121.0    200.6
    VEL=      5.5     10.6      9.4     16.3      9.7     14.4     15.4     20.4     17.2     13.4     16.5     10.4
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 29.982

3301 HV CHANGED MORE THAN HVINS

    29.98     16.51   1225.61       .00       .00   1228.78      3.16       .02       .07   1222.90
  225000.    10506.   114050.   100444.     1107.     7773.     7064.     4413.      382.   1225.00
      .22      9.49     14.67     14.22      .025      .025      .025      .000   1209.10   8927.75
  .003139        5.        5.        5.         6         0         0       .00   1909.84  10837.59

FLOW DISTRIBUTION FOR SECNO=     29.98          CWSEL=   1225.61

STA=    8928.    8944.    9055.    9163.   10000.   10041.   10104.   10378.   10459.   10590.   10774.   10788.   10838.
  PER Q=      .1      2.6      2.0     50.7       .8      2.9     14.6      8.3      9.0      7.1       .9      1.0
   AREA=    34.0    583.3    489.7   7772.8    189.2    498.3   2355.5   1034.3   1311.2   1303.9    132.4    239.7
    VEL=     5.4     10.1      9.1     14.7      9.2     13.2     14.0     18.1     15.4     12.3     14.9      9.4

*SECNO 30.194

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    30.19     20.82   1229.62   1229.62       .00   1233.80      4.17      3.54       .30   1236.30
  225000.        0.   194896.    30104.        0.    11275.     3495.     4814.      431.   1228.50
      .24       .00     17.29      8.61      .025      .025      .025      .000   1208.80   9058.87
  .003093     1120.     1120.     1170.         5        11         0       .00   1818.86  10877.73

FLOW DISTRIBUTION FOR SECNO=     30.19          CWSEL=   1229.62

STA=    9059.   10000.   10024.   10274.   10495.   10640.   10736.   10876.
  PER Q=     86.6      .2      5.7      3.2      1.9      1.6       .7
   AREA=  11275.4    76.1   1296.4    865.8    540.6    419.4    296.6
    VEL=     17.3     7.1      9.9      8.2      7.9      8.8      5.5

*SECNO 30.195

3301 HV CHANGED MORE THAN HVINS

    30.19     21.86   1230.66   1229.74       .00   1233.90      3.24       .01       .09   1236.30
  225000.        0.   188157.    36843.        0.    12255.     4415.     4815.      431.   1228.50
      .24       .00     15.35      8.34      .025      .025      .025      .000   1208.80   9054.70
  .002197        5.        5.        5.        18         5         0       .00   1840.12  10894.82
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     30.19          CWSEL=   1230.66

STA=     9055.   10000.   10024.   10274.   10495.   10640.   10736.   10876.   10895.
  PER Q=     83.6       .3      6.5      3.9      2.4      2.0      1.2       .0
   AREA=  12254.7    100.6   1556.6   1095.0    691.4    519.0    441.7     11.1
    VEL=     15.4      7.2      9.4      8.1      7.9      8.6      6.0      1.9

*SECNO 30.458

3301 HV CHANGED MORE THAN HVINS

    30.46    19.32  1234.02      .00      .00  1236.07     2.05     2.05      .12  1239.10
  227500.       0.  227500.       0.       0.   19783.       0.    5371.     479.   1233.70
     .27      .00    11.50      .58     .025     .025     .025     .000  1214.70  9347.92
  .001129    1280.    1370.    1030.        2        0        0      .00  1430.80 10778.71


FLOW DISTRIBUTION FOR SECNO=     30.46          CWSEL=   1234.02

STA=     9348.   10777.
  PER Q=    100.0
   AREA=  19782.8
    VEL=     11.5

*SECNO 30.815

3265 DIVIDED FLOW

    30.82    20.05  1236.05      .00      .00  1238.18     2.12     2.08      .02  1236.50
  227500.    1361.  226139.       0.     359.   19287.       0.    6198.     540.   1251.60
     .32     3.79    11.72      .00     .025     .025     .025     .000  1216.00  9407.83
  .001148    1350.    1830.    1390.        3        0        0      .00  1525.79 10943.09


FLOW DISTRIBUTION FOR SECNO=     30.82          CWSEL=   1236.05

STA=     9408.    9471.    9514.    9563.   11136.
  PER Q=       .1       .3       .1     99.4
   AREA=     98.8    158.9    101.6  19287.4
    VEL=      2.7      4.8      3.3     11.7

*SECNO 31.028
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3693 PROBABLE MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    31.03     25.03  1237.73  1237.73       .00  1242.28      4.54      1.84       .73  1228.00
  227500.    74128.  139348.   14024.     6430.     7139.      876.     6625.      580.   1212.70
      .33     11.53     19.52     16.00      .025      .025      .025      .000  1212.70  9098.87
  .002702     1060.     1100.     1100.        20        11         0       .00  1644.54 10842.21


FLOW DISTRIBUTION FOR SECNO=      31.03          CWSEL=   1237.73

STA=     9099.     9660.     9882.    10127.    10280.    10323.    10772.    10842.
  PER Q=       7.7       5.3       6.2      10.4       3.0      61.3       6.2
   AREA=    1763.0    1234.0    1372.6    1600.0     460.5    7139.4     876.4
    VEL=       9.9       9.8      10.2      14.8      15.0      19.5      16.0

*SECNO 31.029

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    31.03     26.13  1238.83       .00       .00  1242.39      3.55       .01       .10  1228.00
  227500.    81113.  132964.   13423.     7685.     7632.      955.     6627.      580.   1212.70
      .33     10.55     17.42     14.06      .025      .025      .025      .000  1212.70  9084.49
  .001969        5.        5.        5.         6         0         0       .00  1679.88 10845.28


FLOW DISTRIBUTION FOR SECNO=      31.03          CWSEL=   1238.83

STA=     9084.     9660.     9882.    10127.    10280.    10323.    10772.    10845.
  PER Q=       9.0       6.1       7.0      10.5       3.0      58.4       5.9
   AREA=    2291.2    1477.8    1641.3    1767.3     507.8    7632.3     954.8
    VEL=       9.0       9.4       9.7      13.5      13.6      17.4      14.1
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 31.301

3301 HV CHANGED MORE THAN HVINS

    31.30     22.75  1242.85       .00       .00  1243.90      1.05      1.26       .25  1225.60
  227500.    57985.  168093.     1422.     9362.   19081.      258.     7320.      647.   1220.70
      .38      6.19      8.81      5.52      .025      .025      .025      .000  1220.10  8021.15
  .000537     1190.     1440.     1380.         2         0         0       .00  2869.61 10890.75

FLOW DISTRIBUTION FOR SECNO=     31.30          CWSEL=   1242.85

STA=    8021.    8306.    8706.    8867.    9104.    9155.    9276.    9384.    9690.   10868.   10891.
  PER Q=      .0       .4      1.1      3.4       .6      1.5      2.7     15.7     73.9       .6
   AREA=    86.0    540.6    703.0   1574.8    315.1    750.0   1009.4   4383.4  19081.4    257.6
    VEL=      .6      1.7      3.7      4.9      4.6      4.7      6.1      8.1      8.8      5.5

*SECNO 31.522

3265 DIVIDED FLOW

    31.52     19.34  1243.74       .00       .00  1244.62       .88       .71       .02  1244.50
  227500.    47637.  179863.        0.     7554.   22994.        0.     8103.      729.   1264.30
      .42      6.31      7.82       .00      .025      .025      .025      .000  1224.40  8045.09
  .000711     1120.     1160.     1650.         2         0         0       .00  3434.72 11516.09

FLOW DISTRIBUTION FOR SECNO=     31.52          CWSEL=   1243.74

STA=    8045.    8273.    8335.    8484.    8775.    9393.   11539.
  PER Q=      6.8      3.7      4.8      4.0      1.7     79.1
   AREA=   2116.6    892.8   1472.4   1729.9   1342.8  22993.6
    VEL=      7.3      9.4      7.4      5.2      2.8      7.8

*SECNO 31.725

3265 DIVIDED FLOW

    31.73     15.11  1244.61       .00       .00  1245.52       .91       .89       .01  1246.20
  227500.    47249.  120483.    59768.     6965.   14296.     9042.     8865.      826.   1237.10
      .46      6.78      8.43      6.61      .025      .025      .025      .000  1229.50  7464.34
  .000945      870.     1070.     1530.         2         0         0       .00  4339.46 12545.06
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     31.73          CWSEL=   1244.61

STA=    7464.    8169.    8561.    8698.    8809.    9339.   11020.   11202.   11625.   11826.   11976.   12219.   12545.
  PER Q=      3.4      4.8      7.3      3.2      2.1     53.0      3.6      5.1      4.3      5.0      6.4      1.9
   AREA=   1296.9   1864.6   1700.9    919.8   1182.3  14295.7   1242.2   2133.9   1438.5   1407.8   1956.5    863.1
    VEL=      5.9      5.9      9.8      7.9      4.0      8.4      6.6      5.4      6.8      8.1      7.4      5.0

*SECNO 31.896

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    31.90    17.40  1245.50      .00      .00  1246.99     1.49     1.30      .17  1246.10
  227500.   76511.  146461.    4527.    6985.   15816.    1108.    9467.     921.  1246.30
      .49    10.95     9.26     4.09     .025     .025     .025     .000  1228.10  8297.77
  .002057     920.     980.    1000.        2        0        0      .00  4197.49 13122.76


FLOW DISTRIBUTION FOR SECNO=     31.90          CWSEL=   1245.50

STA=    8298.    8592.    8752.    8906.    9014.    9151.    9525.   12146.   13123.
  PER Q=      9.4      6.9      3.1      5.9      7.7       .6     64.4      2.0
   AREA=   2059.7   1381.3    828.0   1074.0   1387.0    255.4  15816.1   1108.2
    VEL=     10.4     11.4      8.5     12.5     12.6      5.7      9.3      4.1

*SECNO 32.126

3265 DIVIDED FLOW

    32.13    13.95  1247.85      .00      .00  1249.64     1.79     2.56      .09  1248.40
  227500.       0.  218474.    9026.       1.   20005.    1891.   10062.    1028.  1248.50
      .52      .26    10.92     4.77     .025     .025     .025     .000  1233.90  8092.41
  .002496    1150.    1130.    1100.        3        0        0      .00  4092.72 14030.04


FLOW DISTRIBUTION FOR SECNO=     32.13          CWSEL=   1247.85

STA=    8092.   11727.   12517.   12764.   13081.   13119.   13790.   13943.   14011.   14030.
  PER Q=     96.0       .1       .4      1.5       .1       .0       .8       .8       .1
   AREA=  20005.3    168.4    271.1    697.4     60.7     31.3    352.2    259.9     49.6
    VEL=     10.9      2.0      3.2      5.0      4.0      3.0      5.2      7.3      5.5
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 32.127

3265 DIVIDED FLOW

    32.13     13.97  1247.87       .00       .00  1249.66      1.79       .01       .00  1248.40
  227500.        0.   218409.     9091.        1.   20038.     1905.    10064.     1028.   1248.50
      .52       .29     10.90      4.77      .025      .025      .025      .000  1233.90  8088.63
  .002483        5.        5.        5.         0         0         0       .00  4106.34 14030.09

FLOW DISTRIBUTION FOR SECNO=     32.13          CWSEL=   1247.87

STA=     8089.    11727.    12517.    12764.    13081.    13119.    13790.    13943.    14011.    14030.
  PER Q=      96.0        .2        .4       1.5        .1        .0        .8        .8        .1
   AREA=  20038.1     172.7     273.9     701.1      61.2      31.6     354.0     260.7      49.8
    VEL=      10.9       2.0       3.2       5.0       4.0       3.0       5.2       7.3       5.4

*SECNO 32.296

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    32.30     14.83  1250.43       .00       .00  1251.54      1.11      1.81       .07  1245.90
  227500.   116517.    85753.    25230.    12933.    10094.     5231.    10588.     1133.   1248.80
      .55      9.01      8.50      4.82      .025      .025      .025      .000  1235.60  7298.77
  .001636       940.      900.      890.         2         0         0       .00  5938.25 13300.42

FLOW DISTRIBUTION FOR SECNO=     32.30          CWSEL=   1250.43

STA=     7299.     7984.     8200.     8258.     8430.     8637.     9086.     9343.     9519.     9694.    11211.    12435.    13160.
  PER Q=       3.5      10.3       3.0       6.2       8.7       7.5       3.9       5.4       2.8      37.7       4.6       5.3
   AREA=    1195.3    2124.6     600.3    1421.9    1874.3    2262.8    1267.7    1313.7     872.9   10093.9    2487.7    2261.8
    VEL=       6.7      11.0      11.4       9.9      10.5       7.5       7.0       9.3       7.2       8.5       4.2       5.3
STA=    13160.    13300.
  PER Q=       1.2
   AREA=     481.6
    VEL=       5.8

1490 NH CARD USED
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 32.465

3265 DIVIDED FLOW

    32.47     13.53   1251.83       .00       .00   1252.99      1.16      1.44       .02   1247.90
  227500.   139903.    70036.    17561.    15379.     8070.     5944.    11186.     1256.    1251.40
     .58      9.10      8.68      2.95      .025      .025      .040      .000   1238.30   7702.90
 .001544      910.      900.      890.         3         0         0       .00   5953.60  14771.09


FLOW DISTRIBUTION FOR SECNO=     32.47          CWSEL=   1251.83

STA=    7703.    7868.    7934.    7983.    8055.    8238.    8393.    8476.    8635.    8759.    8976.    9249.    9515.
  PER Q=      4.1      3.4      3.1      4.6      7.9      3.6      3.7      5.9      6.6      4.4      3.5      5.1
   AREA=   1047.5    695.9    579.7    856.6   1724.9   1010.3    792.5   1370.6   1324.4   1282.2   1226.5   1533.1
    VEL=      8.9     11.2     12.1     12.1     10.4      8.2     10.5      9.8     11.3      7.7      6.4      7.6
STA=    9515.    9806.    9926.   11161.   12682.   13237.   14771.
  PER Q=      4.1      1.6     30.8      3.9      3.4       .4
   AREA=   1377.4    557.1   8070.0   3252.5   2150.1    541.5
    VEL=      6.7      6.5      8.7      2.7      3.6      1.7

1490 NH CARD USED
*SECNO 32.641

3265 DIVIDED FLOW

    32.64     14.08   1253.08       .00       .00   1254.07       .99      1.07       .02   1249.10
  227500.    62756.   157908.     6837.     8893.    18634.     3434.    11829.     1377.    1250.50
     .61      7.06      8.47      1.99      .025      .022      .039      .000   1239.00   7196.95
 .000887      940.      920.      920.         2         0         0       .00   5421.67  13020.91


FLOW DISTRIBUTION FOR SECNO=     32.64          CWSEL=   1253.08

STA=    7197.    7791.    7872.    7994.    8272.    8760.    8951.   11281.   13021.
  PER Q=      3.1      3.5      5.2      3.3      9.4      3.1     69.4      3.0
   AREA=   1093.8    905.0   1348.0   1398.9   2992.9   1154.2  18634.0   3433.7
    VEL=      6.4      8.9      8.7      5.4      7.1      6.1      8.5      2.0

CCHV=     .300 CEHV=     .500
1490 NH CARD USED
*SECNO 32.653
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3265 DIVIDED FLOW

    32.65     14.39  1253.39       .00       .00  1254.18       .79       .04       .06  1242.50
   227500.   36152.  144827.   46521.     6721.   17687.   11306.   11877.     1385.   1240.00
      .62      5.38      8.19      4.11      .025      .025      .027      .000  1239.00  7194.91
  .000543       63.       63.       63.         2         0         0       .00  5999.12 14368.64


FLOW DISTRIBUTION FOR SECNO=     32.65          CWSEL=   1253.39

STA=    7195.    7872.    7994.    8308.    8636.    9866.   10000.   10947.   11065.   11179.   12357.   14369.
  PER Q=      5.5      4.2      3.3      2.9     63.7      4.1      4.6      3.1      3.9      3.3      1.5
   AREA=   2159.4   1385.4   1690.3   1486.1  17687.2   1401.4   2728.2   1138.6   1274.6   2865.9   1897.0
    VEL=      5.8      7.0      4.4      4.5      8.2      6.7      3.8      6.3      6.9      2.6      1.8

1490 NH CARD USED
*SECNO 32.655

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS


3370 NORMAL BRIDGE,NRU= 37 MIN ELTRD= 1248.00 MAX ELLC= 1300.00


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1254.10 ELREA=     1247.60

    32.65     13.99  1252.99       .00       .00  1254.60      1.61       .01       .41  1257.00
   227500.        0.  184213.   43287.        0.   16741.    7842.   11884.     1386.   1257.00
      .62       .00     11.00      5.52      .025      .025      .026      .000  1239.00  8613.58
  .001354       10.       10.       10.         2         0         0       .00  3686.57 12716.13


FLOW DISTRIBUTION FOR SECNO=     32.65          CWSEL=   1252.99

STA=    8614.    9904.   10380.   11305.   12716.
  PER Q=     81.0      3.9     13.0      2.2
   AREA=  16740.6   1679.6   4614.6   1548.0
    VEL=     11.0      5.3      6.4      3.2
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 32.661

3265 DIVIDED FLOW


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1254.60 ELREA=     1248.10

    32.66     14.14  1253.14       .00       .00  1254.68      1.54       .06       .02  1257.00
  227500.        0.  182441.    45059.        0.   16926.     8218.    11909.     1390.   1257.00
      .62       .00     10.78      5.48      .025      .025      .026      .000  1239.00  8613.29
  .001285       44.       44.       44.         2         0         0       .00  3753.42 12726.00


FLOW DISTRIBUTION FOR SECNO=     32.66          CWSEL=   1253.14

STA=    8613.    9904.   10380.   11305.   12726.
  PER Q=     80.2      4.2     13.3      2.3
   AREA=  16925.7   1751.3   4754.1   1712.6
    VEL=     10.8      5.5      6.3      3.1

1490 NH CARD USED
*SECNO 32.663

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

        GILBERT RD. BRIDGE - NORMAL BRIDGE METHOD BASED ON PLANS DATED JAN 82
    32.66     15.37  1254.37       .00       .00  1254.97       .60       .01       .28  1242.50
  227500.    38341.  137426.    51733.     8129.   18889.    14865.    11917.     1391.   1240.00
      .62      4.72      7.28      3.48      .025      .025      .028      .000  1239.00  7188.37
  .000393       10.       10.       10.         3         0         0       .00  6535.67 14902.04


FLOW DISTRIBUTION FOR SECNO=     32.66          CWSEL=   1254.37

STA=    7188.    7791.    7994.    8272.    8636.    9866.   10000.   10947.   11065.   11179.   12216.   14902.
  PER Q=      3.0      7.0      3.2      3.7     60.4      4.0      5.4      3.1      3.8      3.6      2.7
   AREA=   1811.7   2513.9   1755.1   2048.3  18889.0   1532.3   3653.7   1253.9   1385.9   3362.2   3676.8
    VEL=      3.8      6.3      4.1      4.1      7.3      6.0      3.3      5.7      6.2      2.5      1.7
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 32.676

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1257.70 ELREA=     1252.90

    32.68     14.03  1254.03       .00       .00  1255.38      1.35       .04       .38  1257.70
  230000.        0.  222041.     7959.        0.   23420.     3459.    11966.     1399.   1252.90
      .62       .00      9.48      2.30      .025      .022      .040      .000   1240.00   8477.53
  .001232       63.       63.       63.         2         0         0       .00   4634.28  14351.22


FLOW DISTRIBUTION FOR SECNO=     32.68          CWSEL=   1254.03

STA=    8478.   11508.   12925.   14351.
  PER Q=      96.5       3.3        .1
   AREA=  23420.0    3210.3     248.2
    VEL=       9.5       2.4       1.3

CCHV=    .100 CEHV=    .300
1490 NH CARD USED
*SECNO 32.862

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    8493.6    15810.1  TYPE=      1  TARGET=    -8493.600

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1255.80 ELREA=     1248.10

    32.86     15.34  1255.74  1255.74       .00  1258.20      2.46      1.94       .33  1255.80
  230000.        0.  212632.    17368.        0.   16429.     2540.    12477.     1501.   1248.10
      .64       .00     12.94      6.84      .025      .023      .028      .000   1240.40   8493.73
  .003710      890.      980.      910.         3         8         0       .00   4721.83  14781.21
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     32.86          CWSEL=   1255.74

STA=    8494.   11353.   11545.   14781.
  PER Q=     92.4      5.6      2.0
   AREA=  16428.6   1103.5   1436.2
    VEL=     12.9     11.6      3.1

1490 NH CARD USED
*SECNO 32.863

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    8493.6   15810.1  TYPE=     1  TARGET=   -8493.600
    32.86     15.98  1256.38      .00       .00  1258.28     1.90       .02       .06  1255.80
  230000.        0.  208556.   21444.        0.   18162.    3982.   12480.     1502.   1248.10
      .64       .00    11.48     5.39      .025      .024     .030      .000  1240.40  8493.60
  .002839        5.       5.       5.        10         0        0       .00  5375.48 14782.77


FLOW DISTRIBUTION FOR SECNO=     32.86          CWSEL=   1256.38

STA=    8494.   11353.   11545.   12931.   14783.
  PER Q=     90.7      5.8      3.2       .3
   AREA=  18162.2   1224.3   2239.6    517.9
    VEL=     11.5     10.9      3.3      1.5

1490 NH CARD USED
*SECNO 33.023

3265 DIVIDED FLOW

3280 CROSS SECTION     33.02 EXTENDED       .23 FEET


3301 HV CHANGED MORE THAN HVINS

    33.02     19.53  1259.03      .00       .00  1259.65      .62      1.25       .13  1258.30
  230000.   50777.  142473.   36751.     7725.   21772.    7322.   13060.     1637.   1245.90
      .68      6.57     6.54     5.02      .025      .025     .027      .000  1239.50  5930.00
  .000882      870.     850.     880.         2         0        0       .00  8212.04 14581.93
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     33.02          CWSEL=   1259.03

STA=    5930.    7729.    7836.    7923.    8013.    8131.    8259.    8281.   11328.   11419.   11523.   11703.   14582.
  PER Q=      4.4      3.8      3.1      3.2      4.2      3.3       .0     61.9      4.6      4.8      3.7      2.8
   AREA=   2646.5   1068.9    874.3    903.4   1178.1   1037.9     15.8  21771.9   1128.8   1217.4   1362.6   3612.9
    VEL=      3.8      8.2      8.2      8.2      8.2      7.4      1.4      6.5      9.4      9.1      6.2      1.8

*SECNO 33.024

3265 DIVIDED FLOW

3280 CROSS SECTION     33.02 EXTENDED       .24 FEET

    33.02    19.53  1259.03      .00      .00  1259.65      .62      .00      .00  1258.30
  230000.   50782.  142450.   36768.    7746.   21799.    7347.   13065.    1638.   1245.90
      .68     6.56     6.53     5.00     .025     .025     .028     .000  1239.50  5930.00
  .000879       5.       5.       5.        0        0        0      .00  8215.59 14583.12

FLOW DISTRIBUTION FOR SECNO=     33.02          CWSEL=   1259.03

STA=    5930.    7729.    7836.    7923.    8013.    8131.    8259.    8281.   11328.   11419.   11523.   11703.   14583.
  PER Q=      4.4      3.8      3.1      3.2      4.2      3.3       .0     61.9      4.6      4.8      3.7      2.9
   AREA=   2662.6   1069.8    875.1    904.2   1179.2   1039.0     16.0  21799.1   1129.6   1218.3   1364.2   3634.7
    VEL=      3.8      8.2      8.2      8.2      8.2      7.4      1.4      6.5      9.4      9.1      6.2      1.8

1490 NH CARD USED
*SECNO 33.205

3265 DIVIDED FLOW

    33.21    18.96  1259.86      .00      .00  1260.74      .88     1.01      .08  1249.00
  230000.   27448.  148866.   53686.    2953.   20386.    7511.   13803.    1799.   1251.60
      .71     9.29     7.30     7.15     .025     .025     .026     .000  1240.90  7569.46
  .001314     950.     960.     920.        0        0        0      .00  6665.03 14994.09

FLOW DISTRIBUTION FOR SECNO=     33.21          CWSEL=   1259.86

STA=    7569.    8081.   11346.   11468.   11673.   11822.   14994.
  PER Q=     11.9     64.7      4.6      9.9      6.7      2.2
   AREA=   2953.2  20386.4   1118.9   2176.9   1516.8   2698.0
    VEL=      9.3      7.3      9.4     10.4     10.1      1.9
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    RANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 33.385

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1265.10 ELREA=     1257.30

    33.38     18.29  1261.19       .00       .00  1261.79       .59      1.02       .03  1265.10
  230000.        0.  166989.    63011.        0.   25484.    12479.    14536.     1949.   1257.30
      .76       .00      6.55      5.05      .025      .025      .028      .000  1242.90  7755.51
  .000927      960.      920.      940.         2         0         0       .00  7407.14 15162.65

FLOW DISTRIBUTION FOR SECNO=     33.38          CWSEL=   1261.19

STA=    7756.   11448.   11623.   11863.   11954.   13093.   14733.   15163.
  PER Q=     72.6      6.5      9.8      3.6      3.4      3.2       .8
   AREA=  25484.4   1761.6   2575.7    946.8   2827.5   3475.3    891.9
    VEL=      6.6      8.5      8.8      8.7      2.8      2.1      2.1

1490 NH CARD USED
*SECNO 33.557

3265 DIVIDED FLOW

    33.56     18.52  1262.02       .00       .00  1262.76       .75       .93       .05  1244.50
  230000.      1454.  174269.    54277.      197.   24290.     8898.    15272.     2099.   1252.00
      .79      7.38      7.17      6.10      .025      .025      .027      .000  1243.50  7729.89
  .001169      880.      890.      920.         2         0         0       .00  7051.80 15326.95

FLOW DISTRIBUTION FOR SECNO=     33.56          CWSEL=   1262.02

STA=    7730.    7752.   11414.   11655.   11776.   15023.   15327.
  PER Q=       .6     75.8     12.5      6.2      4.4       .6
   AREA=    197.2  24289.7   2772.4   1381.2   4188.5    555.8
    VEL=      7.4      7.2     10.4     10.3      2.4      2.4

1490 NH CARD USED
*SECNO 33.726

3265 DIVIDED FLOW

    33.73     19.12  1263.02       .00       .00  1263.94       .93      1.13       .05  1265.90
  232500.        0.  208756.    23744.        0.   25870.     7084.    15982.     2249.   1249.50
      .83       .00      8.07      3.35      .025      .025      .035      .000  1243.90  7801.63
  .001249      890.      930.      940.         2         0         0       .00  6883.75 15066.67
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     33.73          CWSEL=   1263.02

STA=    7802.   11233.   12193.   14609.   15051.   15067.
  PER Q=     89.8      3.0      4.1      3.1       .0
   AREA=  25869.9   1639.2   3569.4   1844.1     31.4
    VEL=      8.1      4.3      2.6      3.9      2.4

1490 NH CARD USED
*SECNO 33.892

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    33.89    18.26  1263.96      .00      .00  1265.55     1.59     1.41      .20  1247.60
  232500.    3505.  224695.    4300.     332.   22061.    1007.   16554.    2366.   1255.50
      .85    10.55    10.19     4.27     .025     .025     .026     .000  1245.70   8028.59
  .002112     870.     880.     910.        2        0        0      .00  4585.48  13730.55


FLOW DISTRIBUTION FOR SECNO=     33.89          CWSEL=   1263.96

STA=    8029.    8069.   11130.   13731.
  PER Q=      1.5     96.6      1.8
   AREA=    332.3  22060.8   1006.7
    VEL=     10.5     10.2      4.3

1490 NH CARD USED
*SECNO 34.091

3265 DIVIDED FLOW

    34.09    18.00  1266.00      .00      .00  1267.11     1.10     1.51      .05  1248.00
  232500.   52321.  169824.   10354.    5304.   20931.    2102.   17163.    2461.   1260.50
      .89     9.86     8.11     4.93     .025     .025     .026     .000  1248.00   7634.80
  .001080     900.    1050.     910.        2        0        0      .00  3671.81  12111.26


FLOW DISTRIBUTION FOR SECNO=     34.09          CWSEL=   1266.00

STA=    7635.    7945.    8380.    8454.   10925.   11123.   12111.
  PER Q=      6.7      8.0      7.7     73.0      3.2      1.3
   AREA=   2181.8   1784.6   1337.9  20931.2   1163.4    938.2
    VEL=      7.2     10.5     13.4      8.1      6.4      3.1
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 34.271

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
    34.27     18.30  1266.30  1266.30       .00  1269.61      3.31      1.59       .66  1275.50
  232500.        0.  232453.      47.        0.   15914.       35.    17612.     2524.   1266.00
     .90       .00     14.61     1.37      .025      .021      .035      .000  1248.00  8743.57
  .003599      910.      880.     870.         4         5         0       .00  2495.64 11709.36


FLOW DISTRIBUTION FOR SECNO=     34.27          CWSEL=   1266.30

STA=     8744.    11150.    11709.
  PER Q=     100.0        .0
   AREA=  15914.4      34.6
    VEL=     14.6       1.4

1490 NH CARD USED
*SECNO 34.272

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    34.27     18.88  1266.88       .00       .00  1269.68      2.79       .02       .05  1275.50
  232500.        0.  232312.     188.        0.   17314.      107.    17614.     2524.   1266.00
     .90       .00     13.42     1.76      .025      .022      .035      .000  1248.00  8742.27
  .002890        5.        5.       5.        12         0         0       .00  2566.14 11737.82


FLOW DISTRIBUTION FOR SECNO=     34.27          CWSEL=   1266.88

STA=     8742.    11150.    11738.
  PER Q=      99.9        .1
   AREA=  17314.3     106.6
    VEL=     13.4       1.8
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 34.453

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    34.45     20.41   1269.91   1268.56       .00   1272.13      2.22      2.40       .06   1254.80
  232500.      3277.   225119.     4104.      302.    18627.     1458.    18004.     2596.    1271.50
      .92     10.86     12.09      2.81      .025      .024      .037      .000   1249.50   8880.64
  .002462      900.      900.      900.         4         5         0       .00   4382.92  14286.00


FLOW DISTRIBUTION FOR SECNO=      34.45          CWSEL=    1269.91

STA=     8881.     8921.    11282.    14286.
  PER Q=       1.4      96.8       1.8
   AREA=     301.8   18626.7    1457.8
    VEL=      10.9      12.1       2.8

1490 NH CARD USED
*SECNO 34.642

3265 DIVIDED FLOW

    34.64     24.28   1272.18       .00       .00   1274.27      2.08      2.12       .01   1252.90
  235000.      3467.   224945.     6588.      334.    19146.     1910.    18495.     2695.    1272.80
      .95     10.38     11.75      3.45      .025      .024      .036      .000   1247.90   9060.48
  .001780     1000.     1020.     1070.         2         0         0       .00   3915.15  14702.84


FLOW DISTRIBUTION FOR SECNO=      34.64          CWSEL=    1272.18

STA=     9060.     9095.    11179.    14703.
  PER Q=       1.5      95.7       2.8
   AREA=     333.9   19145.5    1909.5
    VEL=      10.4      11.7       3.5

1490 NH CARD USED
*SECNO 34.856
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CURAR     TOPWID      ENDST


3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    34.86     22.45  1274.35       .00       .00  1275.67      1.33      1.33       .08  1255.40
  235000.     9028.  223104.     2868.     1438.   23741.     1510.    19080.     2784.   1274.40
      .98      6.28      9.40      1.90      .040      .022      .039      .000  1251.90  8856.40
  .000935     1160.     1060.     1000.         2         0         0       .00  3543.04 14261.50


FLOW DISTRIBUTION FOR SECNO=     34.86          CWSEL=   1274.35

STA=     8856.     9127.    11497.    14261.
  PER Q=       3.8      94.9       1.2
   AREA=    1437.9   23741.3    1510.2
    VEL=       6.3       9.4       1.9

1490 NH CARD USED
*SECNO 35.136

3265 DIVIDED FLOW

    35.14     19.35  1275.65       .00       .00  1277.04      1.38      1.34       .02  1269.50
  235000.    73924.  153701.     7375.     8270.   15568.     3020.    19923.     2883.   1273.90
     1.02      8.94      9.87      2.44      .025      .025      .031      .000  1256.30  8843.88
  .000956     1250.     1480.      690.         2         0         0       .00  4079.47 13948.99


FLOW DISTRIBUTION FOR SECNO=     35.14          CWSEL=   1275.65

STA=     8844.     8956.     9088.     9238.     9331.     9470.     9646.    10892.    13914.    13949.
  PER Q=       5.9       6.6       7.9       3.9       3.7       3.4      65.4       3.1        .0
   AREA=    1417.1    1595.2    1884.1    1004.4    1159.8    1209.4   15568.0    2985.8      34.1
    VEL=       9.9       9.7       9.9       9.0       7.6       6.6       9.9       2.5        .9

1490 NH CARD USED
*SECNO 35.297

3265 DIVIDED FLOW

    35.30     20.55  1276.45       .00       .00  1278.11      1.66       .99       .08  1266.80
  235000.   128756.  103439.     2805.    15037.    8405.     1304.    20497.     2958.   1274.00
     1.05      8.56     12.31      2.15      .025      .025      .032      .000  1255.90  8715.75
  .001091     1200.      800.      670.         2         0         0       .00  3294.68 12040.29
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CURAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     35.30          CWSEL=   1276.45

STA=     8716.     8918.     9120.     9435.     9652.    10000.    10292.    10436.    10970.    12040.
  PER Q=      7.0       7.8      13.4       5.1       5.5      10.9       5.1      44.0       1.2
   AREA=   1892.2    1986.0    3335.6    1587.9    2022.1    2846.5    1366.9    8404.9    1303.7
    VEL=      8.7       9.2       9.5       7.5       6.3       9.0       8.8      12.3       2.2

1490 NH CARD USED
*SECNO 35.480

3265 DIVIDED FLOW

    35.48     21.44   1277.74       .00       .00   1279.07      1.33       .93       .03   1269.00
  235000.   103683.    97156.    34161.    14022.     8766.     3942.    21081.     3023.   1265.90
    1.08      7.39     11.08      8.67      .025      .025      .025      .000   1256.30   8633.35
  .000824     1060.      950.      720.         2         0         0       .00   2625.72  11680.70

FLOW DISTRIBUTION FOR SECNO=     35.48          CWSEL=   1277.74

STA=     8633.     8971.     9322.     9549.     9691.    10000.    10355.    10499.    11027.    11169.    11304.    11681.
  PER Q=      3.2      16.2       5.2       3.4       3.8       9.1       3.2      41.3       6.6       6.9       1.0
   AREA=   1028.4    4240.8    1801.0    1151.5    1671.1    3012.0    1117.4    8766.5    1719.3    1736.9     485.5
    VEL=      7.4       9.0       6.8       6.9       5.3       7.1       6.7      11.1       9.0       9.3       5.0

1490 NH CARD USED
*SECNO 35.661

3265 DIVIDED FLOW

    35.66     20.56   1278.56       .00       .00   1280.07      1.52       .95       .06   1275.50
  237500.    85282.   113136.    39082.    10223.    10427.     3886.    21655.     3083.   1269.60
    1.11      8.34     10.85     10.06      .025      .025      .025      .000   1258.00   8524.89
  .001173     1020.      950.      900.         2         0         0       .00   2706.34  11409.80

FLOW DISTRIBUTION FOR SECNO=     35.66          CWSEL=   1278.56

STA=     8525.     9033.     9104.     9262.     9438.     9671.     9883.    10209.    11055.    11239.    11394.    11410.
  PER Q=      3.9       3.2      11.7       6.3       4.3       3.0       3.4      47.6       8.3       8.0        .1
   AREA=   1431.0     768.4    2292.2    1656.2    1478.1    1146.0    1450.9   10426.5    1983.7    1814.2      88.2
    VEL=      6.4       9.9      12.1       9.1       7.0       6.3       5.6      10.9       9.9      10.5       3.5
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 36.011

3265 DIVIDED FLOW


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1275.50 ELREA=     1287.40

    36.01     20.22  1280.72       .00       .00  1282.69      1.97      2.48       .13  1275.50
  237500.    61417.  176083.        0.     6746.    14778.        0.    22616.     3185.   1287.40
     1.15      9.10     11.92       .00      .025      .026      .025      .000  1260.50  8236.51
  .001602     1810.     1820.     1840.         2         0         0       .00  2198.61 10845.10


FLOW DISTRIBUTION FOR SECNO=     36.01          CWSEL=   1280.72

STA=    8237.     8810.     8919.     9206.     9342.     9581.     9619.    10863.
  PER Q=      3.6       4.0       4.9       5.8       6.7        .8      74.1
   AREA=    960.2     943.6    1556.5    1288.1    1769.0     228.9  14778.1
    VEL=      8.9      10.1       7.5      10.7       9.1       7.9      11.9

1490 NH CARD USED
*SECNO 36.203

3265 DIVIDED FLOW

    36.20     19.90  1282.00       .00       .00  1284.38      2.38      1.57       .12  1281.80
  237500.    36100.  201400.        0.     4373.    15505.        0.    23054.     3231.   1288.00
     1.17      8.26     12.99       .00      .025      .026      .025      .000  1262.10  8146.74
  .001816      920.      920.      930.         0         0         0       .00  2084.87 10754.13


FLOW DISTRIBUTION FOR SECNO=     36.20          CWSEL=   1282.00

STA=    8147.     9099.     9324.     9496.    10769.
  PER Q=      8.9       5.3       1.0      84.8
   AREA=   2533.1    1437.6     402.0   15505.0
    VEL=      8.4       8.7       5.8      13.0

1490 NH CARD USED
*SECNO 36.403
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    36.40     18.24   1283.54       .00       .00   1286.89      3.35      2.22       .29   1283.90
  237500.    31779.   205721.        0.     3563.    13374.        0.    23487.     3279.   1287.00
     1.19      8.92     15.38       .00      .025      .025      .025      .000   1265.30   8461.60
  .002627     1050.     1020.     1030.         2         0         0       .00   1976.85  10754.79


FLOW DISTRIBUTION FOR SECNO=     36.40          CWSEL=   1283.54

STA=    8462.     9013.     9325.     9561.    10762.
  PER Q=      6.5       6.0        .9      86.6
   AREA=   1529.3    1593.1     441.1   13373.7
    VEL=     10.1       9.0       4.6      15.4

1490 NH CARD USED
*SECNO 36.404

3265 DIVIDED FLOW

    36.40     18.26   1283.56       .00       .00   1286.90      3.34       .01       .00   1283.90
  237500.    31834.   205666.        0.     3571.    13384.        0.    23489.     3279.   1287.00
     1.19      8.92     15.37       .00      .025      .025      .025      .000   1265.30   8461.58
  .002621        5.        5.        5.         0         0         0       .00   1978.25  10754.81


FLOW DISTRIBUTION FOR SECNO=     36.40          CWSEL=   1283.56

STA=    8462.     9013.     9325.     9562.    10762.
  PER Q=      6.5       6.1        .9      86.6
   AREA=   1531.7    1595.8     443.1   13383.7
    VEL=     10.1       9.0       4.6      15.4

1490 NH CARD USED
*SECNO 36.595

3265 DIVIDED FLOW
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3301 HV CHANGED MORE THAN HVINS

    36.60     22.95  1285.55       .00       .00  1289.80      4.25      2.63       .27  1280.00
  237500.    48174.  189326.        0.     5121.   10564.        0.    23858.     3321.   1294.80
     1.21      9.41     17.92       .00      .026      .026      .025      .000  1262.60   8782.09
  .002752     1020.      970.      970.         3         0         0       .00  1675.56  10642.43


FLOW DISTRIBUTION FOR SECNO=     36.60          CWSEL=   1285.55

STA=     8782.     9224.     9429.     9696.     9915.    10667.
  PER Q=       5.3       4.2       5.8       5.0      79.7
   AREA=    1401.7    1067.7    1440.3    1211.8   10563.7
    VEL=       8.9       9.4       9.6       9.8      17.9

1490 NH CARD USED
*SECNO 36.596

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    36.60     23.54  1286.14       .00       .00  1289.87      3.72       .01       .05  1280.00
  237500.    52331.  185169.        0.     5684.   10995.        0.    23860.     3321.   1294.80
     1.21      9.21     16.84       .00      .026      .026      .025      .000  1262.60   8781.06
  .002311        5.        5.        5.         9         0         0       .00  1683.72  10643.97


FLOW DISTRIBUTION FOR SECNO=     36.60          CWSEL=   1286.14

STA=     8781.     9224.     9429.     9696.     9915.    10667.
  PER Q=       5.7       4.6       6.3       5.4      78.0
   AREA=    1555.7    1189.2    1598.1    1340.9   10994.7
    VEL=       8.7       9.2       9.4       9.6      16.8

1490 NH CARD USED
*SECNO 36.775

3265 DIVIDED FLOW

    36.78     22.32  1288.02       .00       .00  1292.23      4.20      2.21       .14  1280.70
  240000.    58471.  181529.        0.     5718.   10081.        0.    24215.     3355.   1302.30
     1.23     10.22     18.01       .00      .026      .026      .025      .000  1265.70   9081.46
  .002353      980.      940.      940.         2         0         0       .00  1451.25  10639.09
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     36.78          CWSEL=   1288.02

STA=    9081.    9420.    9521.    9799.   10000.   10039.   10680.
  PER Q=      4.5      3.5      8.7      6.3      1.4     75.6
   AREA=   1269.9    757.2   1973.0   1420.6    297.6  10081.2
    VEL=      8.4     11.0     10.6     10.6     11.2     18.0

1490 NH CARD USED
*SECNO 36.953

3301 HV CHANGED MORE THAN HVINS

    36.95    23.40  1291.80      .00      .00  1293.68     1.88     1.22      .23  1278.40
  240000.   54309.  185691.       0.    6168.   16061.       0.   24617.    3387.   1305.00
     1.25     8.81    11.56      .00     .026     .025     .025     .000  1268.40  9294.97
  .000853     920.     920.     920.        3        0        0      .00  1499.53 10794.50


FLOW DISTRIBUTION FOR SECNO=     36.95          CWSEL=   1291.80

STA=    9295.    9606.    9876.   10832.
  PER Q=      9.1     13.5     77.4
   AREA=   2741.7   3425.8  16061.1
    VEL=      8.0      9.5     11.6

1490 NH CARD USED
*SECNO 37.152

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1307.20 ELREA=     1288.30

    37.15    20.31  1292.81      .00      .00  1294.69     1.88     1.01      .00  1307.20
  240000.       0.  222753.   17247.       0.   19694.    3021.   25121.    3420.   1288.30
     1.27      .00    11.31     5.71     .026     .030     .040     .000  1272.50  9454.38
  .001260     930.     990.     910.        2        0        0      .00  1538.34 10992.71


FLOW DISTRIBUTION FOR SECNO=     37.15          CWSEL=   1292.81

STA=    9454.   10632.   10840.   10934.   10993.
  PER Q=     92.8      3.2      3.3       .7
   AREA=  19694.4   1518.3   1129.0    373.8
    VEL=     11.3      5.1      6.9      4.5
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 37.328

3265 DIVIDED FLOW

    37.33     23.17  1294.07       .00       .00  1295.94      1.87      1.25       .00  1290.70
  240000.       73.  228729.   11199.       59.   20417.     2598.   25613.     3457.   1290.20
     1.30      1.24     11.20     4.31      .060      .030      .040      .000  1270.90  9340.50
  .001413      930.      940.     910.         2         0         0       .00  1899.62 11251.16

FLOW DISTRIBUTION FOR SECNO=     37.33          CWSEL=   1294.07

STA=    9341.    9389.   10751.   11235.   11251.
  PER Q=        .0      95.3      4.6       .1
   AREA=      58.6  20416.7   2546.4     51.8
    VEL=       1.2      11.2      4.3      2.9

1490 NH CARD USED
*SECNO 37.523
    37.52     22.15  1295.15       .00       .00  1297.45      2.30      1.38       .13  1297.40
  240000.        0.  211732.   28268.        0.   16938.     3032.   26078.     3493.   1283.50
     1.32       .00     12.50     9.32      .060      .030      .030      .000  1273.00  9390.26
  .001541      910.      930.    1020.         2         0         0       .00  1350.68 10740.94

FLOW DISTRIBUTION FOR SECNO=     37.52          CWSEL=   1295.15

STA=    9390.   10438.   10682.   10731.
  PER Q=      88.2      11.3       .5
   AREA=  16937.8    2762.4    268.8
    VEL=      12.5       9.8      4.5

1490 NH CARD USED
*SECNO 37.720

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    37.72     21.67  1295.67       .00       .00  1299.80      4.13      1.80       .55  1297.90
  242500.       89.  242353.      58.       54.   14851.       33.   26434.     3517.   1297.70
     1.33      1.65     16.32     1.74      .060      .031      .040      .000  1274.00  9512.33
  .002769      830.      890.     890.         2         0         0       .00   984.82 10673.28
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     37.72          CWSEL=   1295.67

STA=    9512.    9550.   10487.   10673.
  PER Q=        .0      99.9        .0
   AREA=      53.7  14850.8      33.5
    VEL=       1.6      16.3       1.7

1490 NH CARD USED
*SECNO 37.898

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

    37.90     24.98  1299.48       .00       .00  1302.03      2.55      2.07       .16  1288.50
  242500.     4853.  236799.      848.      869.   18285.      296.    26805.     3541.   1299.20
     1.35      5.59     12.95      2.86      .035      .036      .040      .000  1274.50  9552.90
  .001793      880.      940.      950.         3         0         0       .00  1260.51 10842.85


FLOW DISTRIBUTION FOR SECNO=     37.90          CWSEL=   1299.48

STA=    9553.    9711.   10615.   10843.
  PER Q=        2.0      97.6        .3
   AREA=     868.9  18285.2     296.4
    VEL=       5.6      13.0       2.9

1490 NH CARD USED
*SECNO 38.074

3301 HV CHANGED MORE THAN HVINS

    38.07     25.83  1301.93       .00       .00  1303.88      1.95      1.79       .06  1287.40
  242500.    28215.  214282.        2.      3157.   18654.        4.    27271.     3570.   1301.50
     1.38      8.94     11.49       .57      .035      .043      .040      .000  1276.10  9448.34
  .001850     1020.      980.      970.         2         0         0       .00  1322.23 10770.57


FLOW DISTRIBUTION FOR SECNO=     38.07          CWSEL=   1301.93

STA=    9448.    9827.    9876.   10754.   10771.
  PER Q=        8.3       3.4      88.4        .0
   AREA=     2421.6     735.1  18654.0       3.6
    VEL=       8.3      11.2      11.5        .6
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CURAR     TOPWID      ENDST


1490 NH CARD USED
*SECNO 38.261
    38.26     29.49  1303.69       .00       .00  1305.56      1.86      1.67       .01  1291.90
  242500.    65853.  176647.        0.     7628.   15092.        0.    27772.     3600.   1311.50
     1.40      8.63     11.70       .00      .036      .039      .040      .000  1274.20   9464.08
  .001568      980.      980.      970.         1         0         0       .00  1381.66  10845.74


FLOW DISTRIBUTION FOR SECNO=     38.26          CWSEL=   1303.69

STA=    9464.    9688.    9759.    9834.   10000.   10142.   10881.
  PER Q=      3.6      3.9      4.9      8.8      5.9     72.8
   AREA=   1461.4    983.4   1152.8   2235.4   1794.8  15091.8
    VEL=      6.0      9.7     10.3      9.5      8.0     11.7

1490 NH CARD USED
*SECNO 38.439

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1292.00 ELREA=     1310.70

    38.44     28.79  1305.19       .00       .00  1306.82      1.63      1.25       .02  1292.00
  242500.    48725.  193775.        0.     6213.   17991.        0.    28273.     3629.   1310.70
     1.43      7.84     10.77       .00      .035      .036      .040      .000  1276.40   9498.32
  .001149      910.      940.      920.         2         0         0       .00  1349.25  10847.57


FLOW DISTRIBUTION FOR SECNO=     38.44          CWSEL=   1305.19

STA=    9498.    9686.   10000.   10857.
  PER Q=      6.5     13.6     79.9
   AREA=   2088.8   4124.2  17990.6
    VEL=      7.5      8.0     10.8

1490 NH CARD USED
*SECNO 38.636
    38.64     28.97  1306.17       .00       .00  1308.16      1.98      1.23       .11  1294.00
  242500.     2664.  239836.        0.      552.   21133.        0.    28781.     3658.   1309.60
     1.45      4.82     11.35       .00      .035      .034      .040      .000  1277.20   9528.83
  .001412      930.      970.      980.         2         0         0       .00  1264.38  10793.21


FLOW DISTRIBUTION FOR SECNO=     38.64          CWSEL=   1306.17

STA=    9529.    9635.   10803.
  PER Q=      1.1     98.9
   AREA=    552.4  21132.8
    VEL=      4.8     11.3
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 38.822
    38.82     31.08   1307.68       .00       .00   1309.27      1.59      1.07       .04   1292.70
  245000.    32960.   20709/.     4943.     4382.    19642.      800.    29289.     3685.    1292.10
     1.48      7.52     10.54      6.18      .035      .036      .040      .000   1276.60   9514.20
  .000915      790.      970.     1020.         2         0         0       .00   1198.93  10713.13

FLOW DISTRIBUTION FOR SECNO=     38.82          CWSEL=   1307.68

STA=    9514.    9693.    9852.   10647.   10713.
  PER Q=      4.1       9.3      84.5       2.0
   AREA=   1683.4    2698.4  19642.3     799.6
    VEL=      6.0       8.5      10.5       6.2

1490 NH CARD USED
*SECNO 39.009

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1315.00 ELREA=     1314.50

    39.01     29.12   1308.62       .00       .00   1310.17      1.55       .89       .00   1315.00
  245000.        0.   245000.        0.        0.    24551.        0.    29821.     3710.    1314.50
     1.51       .00      9.98       .00      .035      .037      .040      .000   1279.50   9508.93
  .000979      800.      950.     1000.         2         0         0       .00   1111.86  10620.79

FLOW DISTRIBUTION FOR SECNO=     39.01          CWSEL=   1308.62

STA=    9509.   10673.
  PER Q=    100.0
   AREA=  24551.1
    VEL=     10.0

*SECNO 39.098

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1311.90 ELREA=     1313.50

    39.10     27.58   1309.28       .00       .00   1310.60      1.32       .41       .02   1311.90
  245000.        0.   245000.        0.        0.    26581.        0.    30102.     3722.    1313.50
     1.52       .00      9.22       .00      .035      .035      .035      .000   1281.70   9473.30
  .000752      400.      480.      530.         2         0         0       .00   1177.52  10650.82
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     39.10          CWSEL=   1309.28

STA=    9473.   10657.
  PER Q=    100.0
   AREA=  26581.2
    VEL=      9.2

*SECNO 39.116

3301 HV CHANGED MORE THAN HVINS

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1320.60 ELREA=     1318.90

    39.12    21.89  1308.69       .00       .00  1310.99      2.30       .10       .29  1320.60
  245000.       0.  245000.        0.        0.   20151.        0.    30151.     3724.   1318.90
     1.52      .00    12.16       .00      .035      .035      .035      .000   1286.80   9469.89
  .001787      90.      90.       90.         2         0         0       .00   1124.84  10594.73

FLOW DISTRIBUTION FOR SECNO=     39.12          CWSEL=   1308.69

STA=    9470.   10602.
  PER Q=    100.0
   AREA=  20150.7
    VEL=     12.2
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THIS RUN EXECUTED 10/01/88 09:28:09

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
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T1 SALT RIVER FLOOD INSURANCE STUDY, COUNTRY CLUB TO GRANITE REEF
T2 FOR FLOOD CONTROL DISTRICT OF MARICOPA COUNTY 1986
T3 SALT RIVER FLDWY 100 YEAR BY J.MISCHLER, BURGESS AND NIPLE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	3.	0.	0.	.000000	.00	.0	0.	1218.310	.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

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

*PROF 2

CCHV=    .300 CEHV=    .500
*SECNO 28.358
3280 CROSS SECTION     28.36 EXTENDED       .31 FEET

    28.36     19.31  1218.31       .00  1218.31  1219.70      1.39       .00       .00  1218.00
  225000.        0.  225000.        0.        0.   23800.       0.        0.        0.   1220.00
      .00       .00      9.45      .00      .025      .025      .025      .000  1199.00  5000.00
  .000546        0.        0.        0.         0         0         0       .00  1334.08  6334.08


FLOW DISTRIBUTION FOR SECNO=     28.36          CWSEL=   1218.31

STA=    5000.    6340.
  PER Q=    100.0
   AREA=  23800.5
    VEL=      9.5

CCHV=    .100 CEHV=    .300
1490 NH CARD USED
*SECNO 28.646

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9300.0   10900.0  TYPE=      1  TARGET=    1600.000
    28.65     21.51  1218.71       .00  1218.03  1221.36      2.65      1.28       .38  1213.70
  225000.    41810.  177396.     5795.     4656.   12693.      793.      738.       52.   1213.00
      .03      8.98     13.98     7.31      .025      .025      .025      .000  1197.20  9312.15
  .001446     1650.     1520.     1450.         2         0         0       .00  1587.85 10900.00


FLOW DISTRIBUTION FOR SECNO=     28.65          CWSEL=   1218.71

STA=    9312.    9502.    9637.    9946.   10770.   10900.
  PER Q=      4.6      6.8      7.2     78.8      2.6
   AREA=   1223.4   1419.7   2013.2  12693.4    792.8
    VEL=      8.4     10.8      8.0     14.0      7.3

*SECNO 28.831
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9200.0   10900.0  TYPE=      1  TARGET=    1700.000
    28.83     22.11  1221.11       .00  1220.50  1222.28     1.17       .78       .15  1204.70
  225000.  132890.   60777.   31334.   15534.    6201.    4612.     1238.       89.   1207.10
     .06      8.55      9.80     6.79     .025     .025     .025      .000  1199.00  9200.00
  .000502     950.     1000.    1010.        3        0        0       .00  1700.00 10900.00


FLOW DISTRIBUTION FOR SECNO=     28.83          CWSEL=   1221.11

STA=    9200.    9280.    9450.    9516.    9860.   10000.   10186.   10496.   10651.   10900.
  PER Q=      2.6     17.5      4.1     15.3      8.3     11.2     27.0      7.3      6.6
   AREA=    888.9   3758.9   1078.2   4596.2   2229.1   2982.5   6200.8   2141.2   2471.0
    VEL=      6.5     10.5      8.5      7.5      8.4      8.5      9.8      7.6      6.1

*SECNO 29.017

3470 ENCROACHMENT STATIONS=    9100.0   10750.0  TYPE=      1  TARGET=    1650.000
    29.02     22.35  1221.45       .00  1220.99  1223.00     1.55       .61       .11  1209.40
  225000.   68756.  147793.    8451.    8501.   13544.    1240.     1813.      127.   1215.30
     .09      8.09     10.91     6.82     .025     .025     .025      .000  1199.10  9102.74
  .000726    1000.    1020.    1020.        2        0        0       .00  1647.26 10750.00


FLOW DISTRIBUTION FOR SECNO=     29.02          CWSEL=   1221.45

STA=    9103.    9179.    9445.    9862.   10620.   10637.   10693.   10750.
  PER Q=      1.6     12.8     16.2     65.7       .3      1.6      1.9
   AREA=    577.1   3338.3   4585.6  13543.6    123.8    508.9    606.9
    VEL=      6.1      8.7      7.9     10.9      5.9      7.0      6.9

*SECNO 29.221

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9400.0   10900.0  TYPE=      1  TARGET=    1500.000
    29.22     20.34  1221.84       .00  1221.49  1224.19     2.35       .95       .24  1208.00
  225000.   48773.  141628.   34598.    3985.   10840.    4048.     2294.      163.   1213.50
     .12     12.24     13.07     8.55     .025     .025     .025      .000  1201.50  9400.00
  .001295     950.     1020.     970.        2        0        0       .00  1500.00 10900.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     29.22          CWSEL=   1221.84

STA=    9400.    9409.    9685.   10403.   10756.   10900.
  PER Q=       .4      21.3      62.9      10.7       4.6
   AREA=    127.5    3857.9  10840.2    2826.3    1221.3
    VEL=      6.7      12.4      13.1       8.6       8.5

*SECNO 29.473

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9150.0   11300.0  TYPE=      1  TARGET=    2150.000
    29.47    21.07  1224.07       .00  1223.05  1225.33     1.26      1.03       .11  1206.70
  225000.   36742.  122664.   65594.    3727.   12385.   10415.    2893.      210.   1216.00
      .15     9.86     9.90     6.30      .025      .025     .025      .000  1203.00  9150.00
  .000634    1030.    1300.     970.         3         0        0       .00  2150.00 11300.00


FLOW DISTRIBUTION FOR SECNO=     29.47          CWSEL=   1224.07

STA=    9150.    9370.   10097.   11008.   11300.
  PER Q=      16.3      54.5      19.7       9.4
   AREA=    3726.9  12385.3    7360.5    3054.0
    VEL=      9.9       9.9       6.0       7.0

*SECNO 29.676

3470 ENCROACHMENT STATIONS=    8850.0   11270.0  TYPE=      1  TARGET=    2420.000
    29.68    26.40  1224.80       .00  1224.28  1225.96     1.16       .62       .01  1214.90
  225000.   30474.   65817.  128709.    3177.    5916.   19027.    3533.      263.   1210.80
      .19     9.59    11.13     6.76      .025      .025     .025      .000  1198.40  8850.00
  .000583     920.    1060.    1020.         2         0        0       .00  2420.00 11270.00


FLOW DISTRIBUTION FOR SECNO=     29.68          CWSEL=   1224.80

STA=    8850.    8958.    9013.    9284.    9616.    9869.    9994.   10000.   10120.   10883.   11121.   11168.   11270.
  PER Q=      10.1       3.4      29.3      16.1      12.0       4.7       .2       2.0      11.7       6.5       1.4       2.8
   AREA=    2314.1     863.3    5916.1    4461.1    3348.1    1438.0     53.3     842.4    5152.4    2258.9     468.0    1004.4
    VEL=       9.8       8.9      11.1       8.1       8.0       7.3      6.4       5.3       5.1       6.4       6.7       6.2
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 29.981

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

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

3470 ENCROACHMENT STATIONS=    9400.0   10820.0  TYPE=      1  TARGET=     1420.000
    29.98     15.83  1224.93  1224.93  1224.79  1229.61     4.68      1.70      1.05100000.00
  225000.        0.  124893.  100107.        0.    6664.    6476.     4165.      320.   1225.00
      .21       .00     18.74     15.46      .025     .025     .025      .000  1209.10   9400.00
  .004067     1530.     1600.     1180.       20       14        0       .00  1419.50  10820.00


FLOW DISTRIBUTION FOR SECNO=     29.98          CWSEL=   1224.93

STA=    9400.   10000.   10041.   10104.   10378.   10459.   10590.   10774.   10788.   10820.
  PER Q=     55.5       .7      2.9     14.5      8.6      9.1      6.9       .9      1.0
   AREA=   6664.1    161.5    455.1   2169.1    978.6   1222.0   1178.9    122.9    187.9
    VEL=     18.7      9.5     14.1     15.1     19.8     16.8     13.1     16.1     11.5

*SECNO 29.982

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9400.0   10820.0  TYPE=      1  TARGET=     1420.000
    29.98     16.78  1225.88      .00  1225.61  1229.71     3.83       .02       .09100000.00
  225000.        0.  122257.  102743.        0.    7237.    7259.     4167.      320.   1225.00
      .21       .00     16.89     14.15      .025     .025     .025      .000  1209.10   9400.00
  .002967        5.        5.        5.        8        0        0       .00  1420.00  10820.00


FLOW DISTRIBUTION FOR SECNO=     29.98          CWSEL=   1225.88

STA=    9400.   10000.   10041.   10104.   10378.   10459.   10590.   10774.   10788.   10820.
  PER Q=     54.3       .8      3.0     15.0      8.4      9.1      7.4       .9      1.0
   AREA=   7237.3    200.3    515.7   2430.5   1056.7   1347.1   1354.1    136.3    218.7
    VEL=     16.9      9.3     13.1     13.9     17.8     15.3     12.3     14.8     10.7
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*SECNO 30.194
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    9054.0   10800.0  TYPE=      1  TARGET=    1746.000
    30.19    20.76  1229.56  1229.56  1229.62  1233.82     4.26      3.48      .13100000.00
  225000.       0.  195472.   29528.       0.   11214.    3351.     4546.      362.   1228.50
     .23      .00     17.43     8.81     .025     .025     .025      .000  1208.80  9059.13
  .003168    1120.    1120.    1170.        3       11        0       .00  1740.87 10800.00


FLOW DISTRIBUTION FOR SECNO=     30.19          CWSEL=   1229.56

STA=    9059.   10000.   10024.   10274.   10495.   10640.   10736.   10800.
  PER Q=     86.9       .2      5.6      3.1      1.9      1.6       .6
   AREA=  11214.0     74.5   1280.1    851.5    531.1    413.1    201.1
    VEL=     17.4      7.1      9.9      8.2      7.9      8.9      7.0

*SECNO 30.195

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9054.0   10800.0  TYPE=      1  TARGET=    1746.000
    30.19    21.79  1230.59  1229.67  1230.66  1233.92     3.33       .01      .09100000.00
  225000.       0.  189181.   35819.       0.   12189.    4179.     4548.      362.   1228.50
     .23      .00     15.52     8.57     .025     .025     .025      .000  1208.80  9054.98
  .002261       5.       5.       5.       14        5        0       .00  1745.02 10800.00


FLOW DISTRIBUTION FOR SECNO=     30.19          CWSEL=   1230.59

STA=    9055.   10000.   10024.   10274.   10495.   10640.   10736.   10800.
  PER Q=     84.1       .3      6.5      3.9      2.4      2.0       .8
   AREA=  12189.2     98.9   1539.2   1079.7    681.3    512.3    267.3
    VEL=     15.5      7.3      9.5      8.1      7.9      8.6      7.1

*SECNO 30.458

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9350.0   10775.0  TYPE=      1  TARGET=    1425.000
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WIN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

   30.46     19.37  1234.07       .00  1234.02  1236.11      2.04      2.06       .13100000.00
 227500.        0.  227500.        0.        0.   19854.       0.     5102.      409. 100000.00
     .26       .00     11.46       .00      .025      .025      .025      .000  1214.70  9350.00
 .001112     1280.     1370.     1030.         2         0         0       .00  1425.00 10775.00

FLOW DISTRIBUTION FOR SECNO=     30.46          CWSEL=   1234.07

STA=    9350.   10777.
  PER Q=    100.0
   AREA=  19854.2
    VEL=     11.5

*SECNO 30.815

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=    9310.0   10800.0  TYPE=      1  TARGET=    1490.000
    30.82     19.96  1235.96       .00  1236.05  1238.35      2.39      2.13       .10  1236.50
 227500.     1331.  226169.        0.      345.   18195.       0.     5906.      467. 100000.00
     .30      3.86     12.43       .00      .025      .025      .025      .000  1216.00  9409.64
 .001223     1350.     1830.     1390.         2         0         0       .00  1378.95 10800.00

FLOW DISTRIBUTION FOR SECNO=     30.82          CWSEL=   1235.96

STA=    9410.    9471.    9514.    9562.   11136.
  PER Q=       .1       .3       .1     99.4
   AREA=     93.2    154.9     97.2  18195.2
    VEL=      2.8      4.8      3.3     12.4

*SECNO 31.028

3301 HV CHANGED MORE THAN HVINS

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

3470 ENCROACHMENT STATIONS=    9410.0   10845.0  TYPE=      1  TARGET=    1435.000
    31.03     24.83  1237.53  1237.53  1237.73  1242.40      4.88      1.97       .75  1228.00
 227500.    71902.  141375.   14224.     5903.     7046.     862.     6312.      502.   1212.70
     .32     12.18     20.06     16.50      .025      .025      .025      .000  1212.70  9418.26
 .002905     1060.     1100.     1100.        20        11         0       .00  1423.37 10841.63
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     31.03          CWSEL=   1237.53

STA=    9418.    9660.    9882.   10127.   10280.   10323.   10772.   10842.
  PER Q=      6.9      5.2      6.0     10.4      3.0     62.1      6.3
   AREA=   1373.5   1188.0   1321.8   1568.4    451.6   7046.3    861.9
    VEL=     11.5      9.9     10.4     15.1     15.3     20.1     16.5

*SECNO 31.029

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9410.0   10845.0  TYPE=      1  TARGET=    1435.000
    31.03    25.97  1238.67      .00  1238.83  1242.52     3.85      .01       .10  1228.00
  227500.   78340.  135491.   13669.    6937.    7559.     943.    6313.      502.   1212.70
      .32    11.29    17.92    14.50     .025     .025     .025     .000  1212.70  9413.56
  .002112       5.       5.       5.        8        0        0      .00  1431.26 10844.82


FLOW DISTRIBUTION FOR SECNO=     31.03          CWSEL=   1238.67

STA=    9414.    9660.    9882.   10127.   10280.   10323.   10772.   10845.
  PER Q=      7.7      6.0      7.0     10.6      3.1     59.6      6.0
   AREA=   1651.6   1441.4   1601.2   1742.4    500.7   7558.8    942.9
    VEL=     10.7      9.5      9.9     13.9     14.0     17.9     14.5

*SECNO 31.301

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    8770.0   10890.0  TYPE=      1  TARGET=    2120.000
    31.30    22.92  1243.02      .00  1242.85  1244.07     1.06     1.27       .28  1225.60
  227500.   57193.  168867.    1440.    8676.   19274.     261.    6989.      555.   1220.70
      .37     6.59     8.76     5.52     .025     .025     .025     .000  1220.10  8770.00
  .000524    1190.    1440.    1380.        2        0        0      .00  2120.00 10890.00


FLOW DISTRIBUTION FOR SECNO=     31.30          CWSEL=   1243.02

STA=    8770.    8867.    9104.    9155.    9276.    9384.    9690.   10868.   10890.
  PER Q=       .9      3.5       .7      1.6      2.7     15.8     74.2       .6
   AREA=    509.1   1613.5    323.4    769.7   1027.1   4433.4  19274.0    261.0
    VEL=      4.0      4.9      4.7      4.7      6.1      8.1      8.8      5.5
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 31.522

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=    8250.0   11450.0  TYPE=      1  TARGET=    3200.000
    31.52     19.38  1243.78      .00  1243.74  1244.83     1.05       .76       .00  1244.50
  227500.   37751.  189749.       0.    5789.   22271.       0.     7733.      625. 100000.00
     .40      6.52     8.52      .00     .025     .025     .025      .000  1224.40  8250.00
  .000848    1120.    1160.    1650.        3        0        0       .00  3165.26 11450.00

FLOW DISTRIBUTION FOR SECNO=     31.52          CWSEL=   1243.78

STA=    8250.    8335.    8402.    8603.    8809.    9395.   11539.
  PER Q=      5.1      3.2      3.6      3.2      1.6     83.4
   AREA=   1210.4    797.3   1326.9   1237.8   1217.0  22270.6
    VEL=      9.5      9.0      6.2      5.8      3.0      8.5

*SECNO 31.725

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=    8230.0   11950.0  TYPE=      1  TARGET=    3720.000
    31.73     15.24  1244.74      .00  1244.61  1245.95     1.21     1.07       .05  1246.20
  227500.   44795.  137666.   45038.    5618.   14489.    6136.    8407.      706.   1237.10
     .44      7.97     9.50     7.34     .025     .025     .025      .000  1229.50  8230.00
  .001183     870.    1070.    1530.        2        0        0       .00  3428.43 11950.00

FLOW DISTRIBUTION FOR SECNO=     31.73          CWSEL=   1244.74

STA=    8230.    8561.    8698.    8809.    9340.   11020.   11202.   11420.   11739.   11895.   11950.
  PER Q=      5.2      8.4      3.6      2.5     60.5      4.1      3.4      4.9      5.2      2.1
   AREA=   1717.9   1719.1    934.6   1245.8  14488.5   1266.6   1208.1   1737.1   1364.5    559.4
    VEL=      6.9     11.1      8.9      4.6      9.5      7.4      6.4      6.4      8.7      8.7

*SECNO 31.896

3265 DIVIDED FLOW
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       IWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3470 ENCROACHMENT STATIONS=    8300.0   12000.0  TYPE=      1  TARGET=     3700.000
    31.90     17.88  1245.98      .00  1245.50  1247.35     1.38      1.35       .05  1246.10
  227500.    75994.  151506.       0.     7474.   16797.       0.     8967.      781. 100000.00
     .47     10.17     9.02      .00      .025     .025     .025      .000  1228.10  8300.00
  .001676     920.     980.    1000.         2        0        0       .00  3422.10 12000.00


FLOW DISTRIBUTION FOR SECNO=     31.90          CWSEL=   1245.98

STA=    8300.    8592.    8752.    8906.    9014.    9151.    9535.   12146.
  PER Q=      9.4      6.8      3.2      5.7      7.5       .7     66.6
   AREA=   2197.5   1457.0    901.1   1125.0   1451.6    342.1  16797.4
    VEL=      9.7     10.6      8.1     11.6     11.8      5.0      9.0

*SECNO 32.126

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    8500.0   11600.0  TYPE=      1  TARGET=     3100.000
    32.13     13.96  1247.86      .00  1247.85  1249.91     2.05      2.35      .20100000.00
  227500.        0.  227500.       0.        0.   19784.       0.     9540.      861. 100000.00
     .49       .00    11.50      .00      .025     .025     .025      .000  1233.90  8500.00
  .002642    1150.    1130.    1100.         2        0        0       .00  2697.96 11600.00


FLOW DISTRIBUTION FOR SECNO=     32.13          CWSEL=   1247.86

STA=    8500.   11727.
  PER Q=    100.0
   AREA=  19783.8
    VEL=     11.5

*SECNO 32.127

3265 DIVIDED FLOW


3470 ENCROACHMENT STATIONS=    8500.0   11600.0  TYPE=      1  TARGET=     3100.000
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

   32.13     13.98   1247.88       .00   1247.87   1249.92      2.05       .01       .00100000.00
 227500.        0.   227500.        0.        0.   19808.        0.     9543.      861. 100000.00
     .49       .00     11.49       .00      .025      .025      .025      .000   1233.90   8500.00
 .002634        5.        5.        5.         0         0         0       .00   2699.34  11600.00

FLOW DISTRIBUTION FOR SECNO=     32.13          CWSEL=   1247.88

STA=    8500.   11727.
  PER Q=    100.0
   AREA=  19807.6
    VEL=     11.5

*SECNO 32.296

3470 ENCROACHMENT STATIONS=    7900.0   11400.0  TYPE=      1  TARGET=     3500.000
    32.30     14.92   1250.52       .00   1250.43   1252.08      1.56      2.11       .05   1245.90
 227500.   128447.    98134.      919.    12404.    10235.      270.     9990.      926.   1248.80
     .52     10.36      9.59      3.40      .025      .025      .025      .000   1235.60   7900.00
 .002045      940.      900.      890.         2         0         0       .00   3500.00  11400.00

FLOW DISTRIBUTION FOR SECNO=     32.30          CWSEL=   1250.52

STA=    7900.    8200.    8258.    8430.    8637.    9086.    9343.    9519.    9694.   11211.   11400.
  PER Q=     13.7      3.4      7.1      9.9      8.6      4.5      6.1      3.2     43.1       .4
   AREA=   2650.8    605.7   1437.9   1893.6   2304.7   1291.7   1330.0    889.2  10235.3    270.3
    VEL=     11.8     12.8     11.2     11.9      8.5      7.9     10.5      8.1      9.6      3.4

1490 NH CARD USED
*SECNO 32.465

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=    7875.0   11500.0  TYPE=      1  TARGET=     3625.000
    32.47     14.07   1252.37       .00   1251.83   1253.75      1.38      1.65       .02   1247.90
 227500.   149100.    77504.      896.    15381.     8708.      468.    10483.     1000.   1251.40
     .55      9.69      8.90      1.91      .025      .025      .040      .000   1238.30   7875.00
 .001629      910.      900.      890.         2         0         0       .00   3604.25  11500.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   RANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     32.47          CWSEL=   1252.37

STA=    7875.    7934.    7983.    8055.    8238.    8393.    8476.    8635.    8759.    8896.    9056.    9405.    9515.
  PER Q=      3.1      3.4      5.1      8.9      4.3      4.1      6.7      7.4      3.2      3.5      5.6      3.4
   AREA=    659.4    606.5    896.1   1824.7   1094.7    837.8   1457.2   1392.1    869.8    977.5   1778.4    828.6
    VEL=     10.8     12.8     12.8     11.1      8.8     11.2     10.5     12.0      8.4      8.1      7.1      9.2
STA=    9515.    9755.    9926.   11161.   11500.
  PER Q=      3.7      3.3     34.1       .4
   AREA=   1192.1    966.5   8707.6    468.4
    VEL=      7.1      7.7      8.9      1.9

1490 NH CARD USED
*SECNO 32.641

3470 ENCROACHMENT STATIONS=    8500.0   11600.0  TYPE=      1  TARGET=    3100.000
    32.64    14.58  1253.58      .00  1253.08  1255.04     1.46     1.27      .02  1249.10
  227500.   31146.  195051.    1302.    3560.   19779.      519.   10999.    1071.   1250.50
      .57     8.75     9.86     2.51     .025     .021     .030     .000  1239.00  8500.00
  .001159     940.     920.     920.        3        0        0      .00  3100.00 11600.00


FLOW DISTRIBUTION FOR SECNO=     32.64          CWSEL=   1253.58

STA=    8500.    8760.    8951.   11281.   11600.
  PER Q=      9.7      4.0     85.7       .6
   AREA=   2311.3   1248.3  19779.1    519.2
    VEL=      9.5      7.3      9.9      2.5

CCHV=    .300 CEHV=    .500
1490 NH CARD USED
*SECNO 32.653

3470 ENCROACHMENT STATIONS=    8500.0   11600.0  TYPE=      1  TARGET=    3100.000
    32.65    15.08  1254.08      .00  1253.39  1255.19     1.11      .05      .10  1242.50
  227500.    5426.  170402.   51672.     908.   18543.     8976.   11036.    1076.   1240.00
      .58     5.97     9.19     5.76     .025     .025     .025     .000  1239.00  8500.00
  .000642      63.      63.      63.        2        0        0      .00  3100.00 11600.00


FLOW DISTRIBUTION FOR SECNO=     32.65          CWSEL=   1254.08

STA=    8500.    8636.    9866.   10000.   10765.   10947.   11065.   11179.   11600.
  PER Q=      2.4     74.9      5.0      3.0      3.3      3.8      4.7      3.0
   AREA=    908.4  18542.8   1494.6   2069.4   1317.7   1220.7   1353.8   1519.8
    VEL=      6.0      9.2      7.5      3.3      5.6      7.1      7.8      4.4
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 32.655
     3700.   BRIDGE STENCL=   8500.00    STENCR=  11600.00

3265 DIVIDED FLOW


3370 NORMAL BRIDGE,NRD= 37 MIN ELTRD= 1248.00 MAX ELLC= 1300.00


3470 ENCROACHMENT STATIONS=    8500.0   11600.0  TYPE=     1  TARGET=    3100.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1254.10 ELREA=     1247.60

    32.65    15.01  1254.01       .00  1252.99  1255.28     1.27      .01      .08  1257.00
  227500.       0.  176559.   50941.       0.   17992.    9028.   11043.    1076.   1257.00
      .58      .00     9.81     5.64     .025     .025     .026     .000  1239.00  8611.66
  .000999      10.      10.      10.       13        0        0      .00  2927.54 11600.00


FLOW DISTRIBUTION FOR SECNO=     32.65          CWSEL=   1254.01

STA=    8612.    9904.   10000.   10075.   10175.   10205.   10380.   11305.   11405.   11505.   11600.
  PER Q=     77.6      1.9       .4       .2       .1      2.2     15.2      1.5       .6       .3
   AREA=  17991.5    664.2    221.7    250.6    124.7    902.3   5555.6    570.6    455.6    282.1
    VEL=      9.8      6.4      3.9      1.7      2.3      5.6      6.2      6.0      3.2      2.4

1490 NH CARD USED
*SECNO 32.661

3265 DIVIDED FLOW


3470 ENCROACHMENT STATIONS=    8500.0   11600.0  TYPE=     1  TARGET=    3100.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1254.60 ELREA=     1248.10

    32.66    15.10  1254.10       .00  1253.14  1255.33     1.24      .04      .01  1257.00
  227500.       0.  175258.   52242.       0.   18105.    9184.   11070.    1079.   1257.00
      .58      .00     9.68     5.69     .025     .025     .026     .000  1239.00  8611.48
  .000966      44.      44.      44.        2        0        0      .00  2927.96 11600.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CURAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     32.66          CWSEL=   1254.10

STA=    8611.    9904.   10000.   10075.   10175.   10205.   10380.   11305.   11405.   11505.   11600.
  PER Q=     77.0      1.9       .4       .4       .3      2.3     15.3      1.5       .7       .3
   AREA=  18105.3    673.0    228.6    259.8    127.5    918.5   5641.0    579.8    464.8    290.9
    VEL=      9.7      6.4      3.9      3.5      4.8      5.6      6.2      6.0      3.2      2.4

1490 NH CARD USED
*SECNO 32.663

3470 ENCROACHMENT STATIONS=    8500.0   11600.0  TYPE=     1  TARGET=    3100.000
    32.66    15.34  1254.34      .00  1254.37  1255.40     1.06      .01      .05  1242.50
  227500.     5529.  169235.   52736.     943.   18856.    9418.   11077.    1080.   1240.00
      .58     5.86     8.98     5.60     .025     .025     .026     .000  1239.00   8500.00
  .000599      10.      10.      10.        2        0        0      .00  3100.00  11600.00

FLOW DISTRIBUTION FOR SECNO=     32.66          CWSEL=   1254.34

STA=    8500.    8636.    9866.   10000.   10765.   10947.   11065.   11179.   11600.
  PER Q=      2.4     74.4      5.0      3.2      3.3      3.9      4.7      3.1
   AREA=    943.0  18856.3   1528.8   2264.4   1364.1   1250.8   1382.9   1627.0
    VEL=      5.9      9.0      7.4      3.3      5.6      7.0      7.7      4.3

1490 NH CARD USED
*SECNO 32.676

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=    8500.0   11600.0  TYPE=     1  TARGET=    3100.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=   100000.00 ELREA=     1252.90

    32.68    14.20  1254.20      .00  1254.03  1255.64     1.44      .05      .19100000.00
  230000.       0.  229638.     362.       0.   23801.     179.   11115.    1084.   1252.90
      .58      .00     9.65     2.02     .025     .022     .040     .000  1240.00   8500.00
  .001247      63.      63.      63.        2        0        0      .00  2967.11  11600.00

LOW DISTRIBUTION FOR SECNO=     32.68          CWSEL=   1254.20

STA=    8500.   11508.   11600.
  PER Q=     99.8       .2
   AREA=  23800.6    179.3
    VEL=      9.6      2.0
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

CCHV=    .100 CEHV=    .300
1490 NH CARD USED
*SECNO 32.862

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    8490.0   12200.0  TYPE=     1  TARGET=    3710.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1255.80 ELREA=     1248.10

    32.86    15.17  1255.57  1255.57  1255.74  1258.31     2.74     2.03      .39  1255.80
  230000.       0.  215345.   14655.       0.   15960.    1488.   11580.    1157.   1248.10
      .60      .00    13.49     9.85     .025     .023     .026     .000  1240.40  8494.13
  .004118     890.     980.     910.        2        8        0      .00  3549.39 12200.00


FLOW DISTRIBUTION FOR SECNO=     32.86          CWSEL=   1255.57

STA=    8494.   11353.   11545.   12200.
  PER Q=     93.6      5.6       .8
   AREA=  15960.0   1070.3    417.6
    VEL=     13.5     12.0      4.3

1490 NH CARD USED
*SECNO 32.863

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    8490.0   12200.0  TYPE=     1  TARGET=    3710.000
    32.86    15.82  1256.22      .00  1256.38  1258.39     2.17      .02      .06  1255.80
  230000.       3.  213574.   16423.       1.   17718.    2034.   11582.    1157.   1248.10
      .60     1.71    12.05     8.07     .025     .024     .026     .000  1240.40  8490.00
  .003103       5.       5.       5.        4        0        0      .00  3633.60 12200.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     32.86          CWSEL=   1256.22

STA=    8490.    8494.   11353.   11545.   12200.
  PER Q=        .0      92.9      5.8       1.3
   AREA=       1.5   17717.5   1194.0     840.2
    VEL=       1.7      12.1     11.2       3.6

1490 NH CARD USED
*SECNO 33.023

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    8280.0   11600.0  TYPE=      1  TARGET=    3320.000
    33.02    19.46  1258.96      .00  1259.03  1260.37     1.41      1.90       .08  1258.30
  230000.       1.  193165.   36834.       1.   21558.    3048.    12017.     1226.   1245.90
      .63     1.37     8.96    12.09      .025     .025     .025      .000  1239.50  8280.00
  .001676     870.     850.     880.        2        0        0       .00  3320.00 11600.00


FLOW DISTRIBUTION FOR SECNO=     33.02          CWSEL=   1258.96

STA=    8280.    8281.   11328.   11419.   11470.   11523.   11600.
  PER Q=        .0      84.0      6.3       3.5       3.1       3.1
   AREA=        .8   21558.5   1122.4     618.8     591.3     715.3
    VEL=       1.4       9.0     13.0      12.9      12.1      10.0

*SECNO 33.024

3470 ENCROACHMENT STATIONS=    8280.0   11600.0  TYPE=      1  TARGET=    3320.000
    33.02    19.47  1258.97      .00  1259.03  1260.37     1.41       .01       .00  1258.30
  230000.       1.  193195.   36804.       1.   21591.    3051.    12019.     1226.   1245.90
      .63     1.38     8.95    12.06      .025     .025     .025      .000  1239.50  8280.00
  .001668       5.       5.       5.        0        0        0       .00  3320.00 11600.00


FLOW DISTRIBUTION FOR SECNO=     33.02          CWSEL=   1258.97

STA=    8280.    8281.   11328.   11419.   11470.   11523.   11600.
  PER Q=        .0      84.0      6.3       3.5       3.1       3.1
   AREA=        .8   21591.2   1123.3     619.3     591.9     716.1
    VEL=       1.4       8.9     12.9      12.8      12.1      10.0
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 33.205

3470 ENCROACHMENT STATIONS=     7862.0    11562.0  TYPE=      1  TARGET=     3700.000
    33.21     19.81  1260.71       .00  1259.86  1261.80      1.09      1.40       .03  1249.00
  230000.    25100.  182385.    22514.     2432.   23141.     2272.   12595.     1303.   1251.60
      .66     10.32      7.88     9.91      .025      .025      .025      .000  1240.90  7862.00
  .001293      950.      960.     920.         2         0         0       .00  3700.00 11562.00


FLOW DISTRIBUTION FOR SECNO=     33.21          CWSEL=    1260.71

STA=    7862.     8081.    11346.    11468.    11562.
  PER Q=      10.9      79.3       5.3       4.5
   AREA=   2432.5  23140.8    1221.9    1050.1
    VEL=      10.3       7.9       9.9       9.9

1490 NH CARD USED
*SECNO 33.385

3470 ENCROACHMENT STATIONS=     7749.0    11600.0  TYPE=      1  TARGET=     3851.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1265.10 ELREA=     1257.30

    33.38     19.09  1261.99       .00  1261.19  1262.91       .92      1.09       .02  1265.10
  230000.        0.  215445.    14555.        0.   28416.     1620.   13208.     1383.   1257.30
      .69       .00      7.58     8.99      .025      .025      .025      .000  1242.90  7754.25
  .001073      960.      920.     940.         2         0         0       .00  3845.75 11600.00


FLOW DISTRIBUTION FOR SECNO=     33.38          CWSEL=    1261.99

STA=    7754.    11448.    11468.    11600.
  PER Q=      93.7        .5       5.9
   AREA=  28415.7     149.3    1470.5
    VEL=       7.6       7.2       9.2

1490 NH CARD USED
*SECNO 33.557

3470 ENCROACHMENT STATIONS=     7730.0    11600.0  TYPE=      1  TARGET=     3870.000
    33.56     19.44  1262.94       .00  1262.02  1263.86       .92       .95       .00  1244.50
  230000.     1605.  206417.    21978.      218.   27646.     2251.   13824.     1462.   1252.00
      .72      7.37      7.47     9.76      .025      .025      .025      .000  1243.50  7730.00
  .001065      880.      890.     920.         2         0         0       .00  3870.00 11600.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    RANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     33.56          CWSEL=   1262.94

STA=    7730.    7752.   11414.   11600.
  PER Q=        .7      89.7      9.6
   AREA=    217.7  27646.4   2250.8
    VEL=      7.4       7.5       9.8

1490 NH CARD USED
*SECNO 33.726

3470 ENCROACHMENT STATIONS=    7794.0   11450.0  TYPE=     1  TARGET=    3656.000
    33.73    20.00  1263.90      .00  1263.02  1264.83      .93       .96       .00  1265.90
  232500.       0.  225399.    7101.       0.   28893.    1435.    14470.     1542.   1249.50
     .76      .00     7.80     4.95     .025     .025     .035      .000  1243.90  7799.39
  .001008     890.     930.     940.        2        0        0       .00  3650.61 11450.00


FLOW DISTRIBUTION FOR SECNO=     33.73          CWSEL=   1263.90

STA=    7799.   11233.   11309.   11395.   11447.   11450.
  PER Q=     96.9      1.8       .8       .5       .0
   AREA=  28893.0    707.7    450.9    264.1     12.1
    VEL=      7.8      5.9      4.1      4.0      1.9

1490 NH CARD USED
*SECNO 33.892

3470 ENCROACHMENT STATIONS=    8030.0   11300.0  TYPE=     1  TARGET=    3270.000
    33.89    19.01  1264.71      .00  1263.96  1266.02     1.31      1.08       .11  1247.60
  232500.     3428.  224712.    4361.     361.   24352.     707.    15033.     1612.   1255.50
     .78     9.49     9.23     6.17     .025     .025     .025      .000  1245.70  8030.00
  .001519     870.     880.     910.        2        0        0       .00  3270.00 11300.00


FLOW DISTRIBUTION FOR SECNO=     33.89          CWSEL=   1264.71

STA=    8030.    8069.   11130.   11300.
  PER Q=      1.5     96.7      1.9
   AREA=    361.2  24351.8    706.8
    VEL=      9.5      9.2      6.2

1490 NH CARD USED
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 34.091

3470 ENCROACHMENT STATIONS=    8450.0   11220.0  TYPE=      1  TARGET=    2770.000
    34.09     18.18  1266.18      .00  1266.00  1267.79     1.61      1.68       .09  1248.00
  232500.      364.  220416.   11721.      69.   21349.    1544.    15612.     1684.   1260.50
      .81      5.26     10.32     7.59     .025      .025     .025      .000  1248.00  8450.00
  .001703      900.     1050.     910.        2         0        0       .00  2770.00 11220.00

FLOW DISTRIBUTION FOR SECNO=     34.09          CWSEL=   1266.18

STA=    8450.    8454.   10925.   11100.   11220.
  PER Q=        .2      94.8      3.8      1.2
   AREA=      69.1  21349.3   1082.0    461.6
    VEL=       5.3      10.3      8.3      6.0

1490 NH CARD USED
*SECNO 34.271

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    8859.6   11016.6  TYPE=      1  TARGET=    2157.000
    34.27     19.10  1267.10      .00  1266.30  1270.37     3.28      2.08       .50100000.00
  232500.        0.  232500.       0.        0.   16007.       0.    16006.     1734. 100000.00
      .83       .00     14.53     .00     .025      .023     .025      .000  1248.00  8859.60
  .003518      910.      880.     870.        3         0        0       .00  2157.00 11016.60

FLOW DISTRIBUTION FOR SECNO=     34.27          CWSEL=   1267.10

STA=    8860.   11150.
  PER Q=     100.0
   AREA=   16006.6
    VEL=      14.5

1490 NH CARD USED
*SECNO 34.272

3470 ENCROACHMENT STATIONS=    8859.6   11016.6  TYPE=      1  TARGET=    2157.000
    34.27     19.28  1267.28      .00  1266.88  1270.40     3.13       .02       .01100000.00
  232500.        0.  232500.       0.        0.   16379.       0.    16007.     1734. 100000.00
      .83       .00     14.19     .00     .025      .023     .025      .000  1248.00  8859.60
  .003303        5.        5.       5.        3         0        0       .00  2157.00 11016.60
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     34.27          CWSEL=   1267.28

STA=    8860.   11150.
  PER Q=    100.0
   AREA=  16379.2
    VEL=     14.2

1490 NH CARD USED
*SECNO 34.453

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    8870.0   11140.0  TYPE=      1  TARGET=    2270.000
    34.45     21.20  1270.70      .00  1269.91  1272.75     2.05      2.24       .11  1254.80
  232500.     3335.  229165.       0.      334.   19887.       0.    16386.     1780. 100000.00
     .85      9.98     11.52      .00      .025     .024     .025      .000  1249.50  8878.54
  .001941     900.      900.     900.         2        0        0       .00  2261.45 11140.00


FLOW DISTRIBUTION FOR SECNO=     34.45          CWSEL=   1270.70

STA=    8879.    8921.   11282.
  PER Q=      1.4      98.6
   AREA=    334.3  19887.2
    VEL=     10.0      11.5

1490 NH CARD USED
*SECNO 34.642
3280 CROSS SECTION     34.64 EXTENDED       .10 FEET


3470 ENCROACHMENT STATIONS=    9060.0   11170.0  TYPE=      1  TARGET=    2110.000
    34.64     24.61  1272.51      .00  1272.18  1274.62     2.12      1.85       .02  1252.90
  235000.     3546.  231454.       0.      345.   19796.       0.    16858.     1831. 100000.00
     .87     10.28     11.69      .00      .025     .024     .025      .000  1247.90  9060.00
  .001706    1000.     1020.    1070.         2        0        0       .00  2110.00 11170.00


FLOW DISTRIBUTION FOR SECNO=     34.64          CWSEL=   1272.51

STA=    9060.    9095.   11179.
  PER Q=      1.5      98.5
   AREA=    344.8  19796.0
    VEL=     10.3      11.7
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 34.856

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    9100.0   11180.0  TYPE=      1  TARGET=    2080.000
    34.86     22.60  1274.50      .00  1274.35  1276.03     1.53      1.35       .06  1255.40
  235000.     2578.  232422.       0.      451.   23301.       0.    17393.     1882. 100000.00
      .90      5.71      9.97     .00      .040      .024     .025      .000  1251.90  9100.00
  .000989     1160.     1060.    1000.         2         0        0       .00  2080.00 11180.00

FLOW DISTRIBUTION FOR SECNO=     34.86          CWSEL=   1274.50

STA=    9100.    9127.   11497.
  PER Q=      1.1      98.9
   AREA=    451.2  23300.6
    VEL=      5.7      10.0

1490 NH CARD USED
*SECNO 35.136

3470 ENCROACHMENT STATIONS=    8850.0   11160.0  TYPE=      1  TARGET=    2310.000
    35.14     19.71  1276.01      .00  1275.65  1277.41     1.39      1.36       .01  1269.50
  235000.    75997.  156981.    2022.     8544.   16028.     636.    18195.     1952.   1273.90
      .95      8.90      9.79     3.18      .025      .025     .025      .000  1256.30  8850.00
  .000905     1250.     1480.     690.         2         0        0       .00  2310.00 11160.00

FLOW DISTRIBUTION FOR SECNO=     35.14          CWSEL=   1276.01

STA=    8850.    8956.    9088.    9238.    9331.    9470.    9646.   10892.   11160.
  PER Q=      6.0      6.7      8.1      4.0      3.9      3.6     66.8       .9
   AREA=   1435.6   1643.9   1939.8   1038.5   1211.2   1274.7  16028.3    635.6
    VEL=      9.8      9.6      9.8      9.0      7.6      6.7      9.8      3.2

1490 NH CARD USED
*SECNO 35.297

3470 ENCROACHMENT STATIONS=    8720.0   11250.0  TYPE=      1  TARGET=    2530.000
    35.30     20.91  1276.81      .00  1276.45  1278.39     1.58       .93       .06  1266.80
  235000.   131396.  102727.     878.    15652.    8597.     374.    18762.     2007.   1274.00
      .97      8.39     11.95     2.35      .025      .025     .025      .000  1255.90  8720.00
  .000998     1200.      800.     670.         2         0        0       .00  2530.00 11250.00
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     35.30          CWSEL=   1276.81

STA=    8720.     8918.     9120.     9435.     9652.    10000.    10292.    10436.    10970.    11250.
  PER Q=      7.1       7.9      13.6       5.2       5.8      11.1       5.2      43.7        .4
   AREA=   1960.3    2058.7    3448.9    1666.0    2147.7    2951.6    1418.9    8597.0     373.7
    VEL=      8.6       9.0       9.3       7.4       6.3       8.8       8.6      11.9       2.3

1490 NH CARD USED
*SECNO 35.480

3470 ENCROACHMENT STATIONS=    8850.0   11350.0  TYPE=      1  TARGET=    2500.000
    35.48     21.70   1278.00       .00   1277.74   1279.28      1.28       .86       .03   1269.00
  235000.   104983.    96264.    33753.    14439.     8905.     3865.    19354.     2065.   1265.90
     1.00      7.27     10.81      8.73      .025      .025      .025      .000   1256.30   8855.15
  .000767     1060.      950.      720.         2         0         0       .00   2494.85  11350.00


FLOW DISTRIBUTION FOR SECNO=     35.48          CWSEL=   1278.00

STA=    8855.     8971.     9322.     9549.     9691.    10000.    10355.    10499.    11027.    11169.    11304.    11350.
  PER Q=      3.2      16.2       5.3       3.4       3.9       9.2       3.3      41.0       6.6       6.9        .9
   AREA=   1045.4    4332.5    1860.4    1188.8    1752.0    3104.9    1154.9    8904.6    1756.4    1772.4     336.4
    VEL=      7.3       8.8       6.7       6.8       5.3       7.0       6.6      10.8       8.8       9.1       6.1

1490 NH CARD USED
*SECNO 35.661

3470 ENCROACHMENT STATIONS=    8790.0   11400.0  TYPE=      1  TARGET=    2610.000
    35.66     20.76   1278.76       .00   1278.56   1280.22      1.47       .89       .06   1275.50
  237500.    85919.   112685.    38896.    10407.    10596.     3923.    19938.     2122.   1269.60
     1.03      8.26     10.63      9.92      .025      .025      .025      .000   1258.00   8807.39
  .001103     1020.      950.      900.         2         0         0       .00   2592.61  11400.00


FLOW DISTRIBUTION FOR SECNO=     35.66          CWSEL=   1278.76

STA=    8807.     9033.     9104.     9262.     9438.     9671.     9883.    10209.    11055.    11239.    11394.    11400.
  PER Q=      3.9       3.2      11.6       6.4       4.4       3.1       3.6      47.4       8.3       8.0        .1
   AREA=   1378.9     782.7    2323.9    1691.6    1524.8    1188.7    1516.4   10596.5    2020.7    1845.2      56.8
    VEL=      6.7       9.7      11.8       8.9       6.9       6.2       5.6      10.6       9.7      10.3       3.1

1490 NH CARD USED
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

*SECNO 36.011

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    8750.0   10850.0  TYPE=      1  TARGET=    2100.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1275.50 ELREA=   100000.00

    36.01     20.28  1280.78       .00  1280.72  1282.80      2.02      2.41       .17  1275.50
  237500.    58857.  178643.        0.     6365.    14852.       0.    20901.     2220. 100000.00
     1.08      9.25     12.03       .00      .025      .026      .025      .000  1260.50  8750.00
  .001621     1810.     1820.     1840.         2         0         0       .00  2095.26 10845.26


FLOW DISTRIBUTION FOR SECNO=     36.01          CWSEL=   1280.78

STA=    8750.     8860.     9023.     9342.     9581.     9619.    10863.
  PER Q=      3.9       4.9       8.3       6.9        .8      75.2
   AREA=    964.2    1250.4    2136.1    1783.5     231.2  14852.2
    VEL=      9.7       9.4       9.2       9.2       8.0      12.0

1490 NH CARD USED
*SECNO 36.203

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    8730.0   10700.0  TYPE=      1  TARGET=    1970.000
    36.20     19.91  1282.01       .00  1282.00  1284.58      2.57      1.62       .17  1281.80
  237500.    35141.  202359.        0.     4103.    15009.       0.    21327.     2263. 100000.00
     1.10      8.57     13.48       .00      .025      .026      .025      .000  1262.10  8734.61
  .001907      920.      920.      930.         2         0         0       .00  1965.38 10700.00


FLOW DISTRIBUTION FOR SECNO=     36.20          CWSEL=   1282.01

STA=    8735.     9099.     9324.     9496.    10769.
  PER Q=      8.4       5.4       1.0      85.2
   AREA=   2260.5    1439.1     403.1  15008.8
    VEL=      8.8       9.0       5.9      13.5
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 36.403

3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    8800.0   10750.0  TYPE=      1  TARGET=     1950.000
    36.40     18.41  1283.71      .00  1283.54  1287.05     3.34      2.24       .23  1283.90
  237500.    29825.  207675.       0.     3346.   13561.      0.    21751.     2309. 100000.00
     1.12      8.91     15.31     .00      .025     .025     .025      .000  1265.30  8801.21
  .002529     1050.     1020.    1030.        2        0        0       .00  1922.26 10750.00


FLOW DISTRIBUTION FOR SECNO=     36.40          CWSEL=   1283.71

STA=    8801.     9013.     9325.     9572.   10762.
  PER Q=      5.3       6.3        .9      87.4
   AREA=   1218.0    1645.8    481.7  13560.7
    VEL=     10.4       9.0      4.7      15.3

1490 NH CARD USED
*SECNO 36.404

3265 DIVIDED FLOW


3470 ENCROACHMENT STATIONS=    8800.0   10750.0  TYPE=      1  TARGET=     1950.000
    36.40     18.51  1283.81      .00  1283.56  1287.07     3.26       .01       .01  1283.90
  237500.    30415.  207085.       0.     3424.   13678.      0.    21753.     2309. 100000.00
     1.12      8.88     15.14     .00      .025     .025     .025      .000  1265.30  8800.00
  .002466        5.        5.      5.        2        0        0       .00  1937.67 10750.00


FLOW DISTRIBUTION FOR SECNO=     36.40          CWSEL=   1283.81

STA=    8800.     9013.     9325.     9578.   10762.
  PER Q=      5.4       6.4       1.0      87.2
   AREA=   1239.6    1677.7    507.1  13678.4
    VEL=     10.4       9.0      4.7      15.1
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 36.595

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS=    9030.0   10650.0  TYPE=      1  TARGET=    1620.000
    36.60     23.02  1285.62      .00  1285.55  1289.92     4.30      2.54       .31  1280.00
  237500.    47021.  190479.       0.     4834.   10618.       0.    22121.     2350. 100000.00
     1.13      9.73     17.94     .00      .025     .026     .025      .000  1262.60  9036.44
  .002739     1020.     970.     970.         3        0        0       .00  1606.19 10642.63

FLOW DISTRIBUTION FOR SECNO=     36.60          CWSEL=   1285.62

STA=    9036.    9224.    9429.    9696.    9915.   10667.
  PER Q=      4.5      4.3      5.9      5.1     80.2
   AREA=   1061.9   1083.2   1460.3   1228.2  10618.4
    VEL=     10.0      9.4      9.7      9.8     17.9

1490 NH CARD USED
*SECNO 36.596

3470 ENCROACHMENT STATIONS=    9030.0   10650.0  TYPE=      1  TARGET=    1620.000
    36.60     23.51  1286.11      .00  1286.14  1289.98     3.86       .01       .04  1280.00
  237500.    50325.  187175.       0.     5259.   10971.       0.    22122.     2350. 100000.00
     1.13      9.57     17.06     .00      .025     .026     .025      .000  1262.60  9032.85
  .002379        5. .      5.       5.         9        0        0       .00  1611.04 10643.88

FLOW DISTRIBUTION FOR SECNO=     36.60          CWSEL=   1286.11

STA=    9033.    9224.    9429.    9696.    9915.   10667.
  PER Q=      4.7      4.6      6.4      5.4     78.8
   AREA=   1153.4   1182.4   1589.3   1333.7  10970.6
    VEL=      9.8      9.3      9.5      9.7     17.1

1490 NH CARD USED
*SECNO 36.775

3470 ENCROACHMENT STATIONS=    9250.0   10650.0  TYPE=      1  TARGET=    1400.000
    36.78     22.37  1288.07      .00  1288.02  1292.35     4.28      2.25       .13  1280.70
  240000.    57220.  182780.       0.     5393.   10109.       0.    22470.     2383. 100000.00
     1.15     10.61     18.08     .00      .025     .026     .025      .000  1265.70  9259.54
  .002364      980.     940.     940.         2        0        0       .00  1379.68 10639.23
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   RANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     36.78          CWSEL=   1288.07

STA=    9260.    9420.    9521.    9799.   10000.   10039.   10680.
  PER Q=      3.7      3.5      8.9      6.4      1.4     76.2
   AREA=    916.0    761.9   1986.0   1430.0    299.5  10109.1
    VEL=      9.6     11.1     10.7     10.7     11.2     18.1

1490 NH CARD USED
*SECNO 36.953

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9440.0   10800.0  TYPE=      1  TARGET=    1360.000
    36.95    23.47  1291.87      .00  1291.80  1293.82     1.95     1.23      .23  1278.40
  240000.   51964.  188036.       0.    5543.   16124.       0.   22862.    2412. 100000.00
     1.17     9.37    11.66      .00     .025     .025     .025     .000  1268.40  9440.00
  .000864     920.     920.     920.        3        0        0      .00  1354.70 10794.70


FLOW DISTRIBUTION FOR SECNO=     36.95          CWSEL=   1291.87

STA=    9440.    9463.    9606.    9876.   10832.
  PER Q=       .9      7.0     13.7     78.3
   AREA=    305.4   1793.0   3444.4  16124.4
    VEL=      7.2      9.4      9.5     11.7

1490 NH CARD USED
*SECNO 37.152

3470 ENCROACHMENT STATIONS=    9450.0   10800.0  TYPE=      1  TARGET=    1350.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=   100000.00 ELREA=     1288.30

    37.15    20.28  1292.78      .00  1292.81  1294.96     2.18     1.07      .07100000.00
  240000.       0.  234856.    5144.       0.   19662.    1090.   23339.    2442.   1288.30
     1.20      .00    11.94     4.72     .025     .030     .040     .000  1272.50  9454.42
  .001409     930.     990.     910.        2        0        0      .00  1345.57 10800.00


FLOW DISTRIBUTION FOR SECNO=     37.15          CWSEL=   1292.78

STA=    9454.   10632.   10800.
  PER Q=     97.9      2.1
   AREA=  19662.2   1089.7
    VEL=     11.9      4.7
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

1490 NH CARD USED
*SECNO 37.328

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS=    9351.0   10701.0  TYPE=     1  TARGET=    1350.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1290.70 ELREA=   100000.00

    37.33    23.26  1294.16      .00  1294.07  1296.35     2.18     1.39      .00  1290.70
  240000.      65.  239935.       0.      49.   20225.       0.   23782.    2471. 100000.00
     1.22     1.33    11.86      .00     .060     .030     .040     .000  1270.90  9351.00
  .001546     930.     940.     910.        2        0        0      .00  1339.64 10701.00

FLOW DISTRIBUTION FOR SECNO=     37.33          CWSEL=   1294.16

STA=    9351.    9389.   10751.
  PER Q=        .0     100.0
   AREA=      49.0   20224.7
    VEL=       1.3      11.9

1490 NH CARD USED
*SECNO 37.523

3470 ENCROACHMENT STATIONS=    9450.0   10720.0  TYPE=     1  TARGET=    1270.000
    37.52    22.51  1295.51      .00  1295.15  1297.75     2.24     1.39      .02100000.00
  240000.       0.  211225.   28775.       0.   17107.    3118.   24217.    2499.   1283.50
     1.24      .00    12.35     9.23     .060     .030     .030     .000  1273.00  9450.00
  .001431     910.     930.    1020.        2        0        0      .00  1270.00 10720.00

FLOW DISTRIBUTION FOR SECNO=     37.52          CWSEL=   1295.51

STA=    9450.   10438.   10682.   10720.
  PER Q=      88.0     11.4       .5
   AREA=  17106.8   2850.2    267.9
    VEL=      12.3      9.6      4.9

1490 NH CARD USED
*SECNO 37.720
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9561.4   10487.3  TYPE=      1  TARGET=      925.899
    37.72     21.98  1295.98      .00  1295.67  1299.97     3.99      1.69       .52  1297.90
  242500.        0.  242500.       0.        0.   15128.      0.    24578.     2521. 100000.00
     1.25       .00    16.03      .00      .060     .031     .030      .000  1274.00  9571.29
  .002617     830.     890.     890.         2        0        0       .00   910.22 10481.51


FLOW DISTRIBUTION FOR SECNO=     37.72          CWSEL=   1295.98

STA=    9571.   10487.
  PER Q=    100.0
   AREA=  15127.6
    VEL=     16.0

1490 NH CARD USED
*SECNO 37.898

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9711.2   10615.0  TYPE=      1  TARGET=      903.800
    37.90     24.95  1299.45      .00  1299.48  1302.19     2.74      2.09       .13  1288.50
  242500.        0.  242500.       0.        0.   18256.      0.    24939.     2541. 100000.00
     1.27       .00    13.28      .00      .060     .036     .030      .000  1274.50  9711.20
  .001921     880.     940.     950.         3        0        0       .00   903.80 10615.00


FLOW DISTRIBUTION FOR SECNO=     37.90          CWSEL=   1299.45

STA=    9711.   10615.
  PER Q=    100.0
   AREA=  18256.0
    VEL=     13.3

1490 NH CARD USED
*SECNO 38.074

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


3470 ENCROACHMENT STATIONS=    9700.0   10753.6  TYPE=      1  TARGET=    1053.600
    38.07     25.97  1302.07      .00  1301.93  1304.11     2.04      1.85       .07  1287.40
  242500.   25590.  216910.       0.     2396.   18781.       0.   25383.    2563. 100000.00
     1.30     10.68    11.55      .00      .035     .043     .030      .000  1276.10  9700.00
  .001856    1020.     980.     970.         2        0        0       .00  1053.60 10753.60


FLOW DISTRIBUTION FOR SECNO=     38.07          CWSEL=   1302.07

STA=    9700.    9827.    9876.   10754.
  PER Q=      7.1      3.4     89.4
   AREA=   1654.3    742.2  18781.1
    VEL=     10.4     11.3     11.5

1490 NH CARD USED
*SECNO 38.261

3470 ENCROACHMENT STATIONS=    9800.0   10850.0  TYPE=      1  TARGET=    1050.000
    38.26     29.45  1303.65      .00  1303.69  1306.12     2.48      1.88       .13  1291.90
  242500.   44183.  198317.       0.     4505.   15056.       0.   25842.    2586. 100000.00
     1.32      9.81    13.17      .00      .037     .039     .030      .000  1274.20  9800.00
  .001990     980.     980.     970.         2        0        0       .00  1045.51 10845.51


FLOW DISTRIBUTION FOR SECNO=     38.26          CWSEL=   1303.65

STA=    9800.   10000.   10142.   10881.
  PER Q=     11.6      6.6     81.8
   AREA=   2717.1   1787.7  15056.4
    VEL=     10.4      9.0     13.2

1490 NH CARD USED
*SECNO 38.439

3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    9750.0   10857.4  TYPE=      1  TARGET=    1107.400

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1292.00 ELREA=   100000.00

    38.44     29.29  1305.69      .00  1305.19  1307.66     1.97      1.49       .05  1292.00
  242500.   28846.  213654.       0.     3413.   18412.       0.   26285.    2609. 100000.00
     1.34      8.45    11.60      .00      .035     .036     .030      .000  1276.40  9750.00
  .001304     910.     940.     920.         2        0        0       .00  1098.46 10848.46
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

FLOW DISTRIBUTION FOR SECNO=     38.44          CWSEL=   1305.69

STA=    9750.   10000.   10857.
  PER Q=      11.9      88.1
   AREA=    3412.6  18412.3
    VEL=       8.5      11.6

1490 NH CARD USED
*SECNO 38.636

3470 ENCROACHMENT STATIONS=    9600.0   10802.6  TYPE=      1  TARGET=     1202.600
    38.64     29.89  1307.09       .00  1306.17  1308.90      1.81      1.22       .02  1294.00
  242500.     1979.  240521.        0.      339.   22190.       0.    26777.     2635. 100000.00
     1.37      5.84     10.84       .00      .035      .034     .030      .000  1277.20  9600.00
  .001223      930.      970.      980.         2         0        0       .00  1195.71 10795.71


FLOW DISTRIBUTION FOR SECNO=     38.64          CWSEL=   1307.09

STA=    9600.    9635.   10803.
  PER Q=        .8      99.2
   AREA=     338.7  22189.7
    VEL=       5.8      10.8

1490 NH CARD USED
*SECNO 38.822
    38.82     31.80  1308.40       .00  1307.68  1309.88      1.48       .95       .03  1292.70
  245000.    33967.  205936.     5097.     4626.   20215.      847.    27305.     2661.   1292.10
     1.40      7.34     10.19      6.01      .035      .036     .040      .000  1276.60  9511.00
  .000823      790.      970.     1020.         2         0        0       .00  1203.46 10714.46


FLOW DISTRIBUTION FOR SECNO=     38.82          CWSEL=   1308.40

STA=    9511.    9693.    9852.   10647.   10714.
  PER Q=       4.4       9.5      84.1       2.1
   AREA=    1813.1    2813.0  20215.1     847.4
    VEL=       5.9       8.3      10.2       6.0

1490 NH CARD USED
*SECNO 39.009
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  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1315.00 ELREA=     1314.50

    39.01     29.73  1309.23       .00  1308.62  1310.69      1.46       .81       .00  1315.00
  245000.        0.  245000.        0.       0.   25233.        0.   27852.     2686.   1314.50
     1.42       .00     9.71       .00      .035     .037      .040      .000  1279.50  9504.85
  .000900      800.     950.     1000.         2        0         0       .00  1117.38 10622.23


FLOW DISTRIBUTION FOR SECNO=     39.01          CWSEL=   1309.23

STA=    9505.   10673.
  PER Q=    100.0
   AREA=  25233.3
    VEL=      9.7

*SECNO 39.098

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1311.90 ELREA=     1313.50

    39.10     28.14  1309.84       .00  1309.28  1311.09      1.26       .38       .02  1311.90
  245000.        0.  245000.        0.       0.   27239.        0.   28141.     2698.   1313.50
     1.44       .00     8.99       .00      .035     .035      .035      .000  1281.70  9472.44
  .000695      400.     480.      530.         2        0         0       .00  1179.25 10651.69


FLOW DISTRIBUTION FOR SECNO=     39.10          CWSEL=   1309.84

STA=    9472.   10657.
  PER Q=    100.0
   AREA=  27238.7
    VEL=      9.0

*SECNO 39.116

3301 HV CHANGED MORE THAN HVINS


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA=     1320.60 ELREA=     1318.90

    39.12     22.50  1309.30       .00  1308.69  1311.45      2.15       .09       .27  1320.60
  245000.        0.  245000.        0.       0.   20835.        0.   28191.     2701.   1318.90
     1.44       .00    11.76       .00      .035     .035      .035      .000  1286.80  9469.42
  .001601       90.      90.       90.         2        0         0       .00  1125.74 10595.16
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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 39.12 CWSEL= 1309.30

STA= 9469. 10602.
PER Q= 100.0
AREA= 20835.0
VEL= 11.8

THIS RUN EXECUTED 10/01/88 09:36:36

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  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

SALT RIVER NATURAL 100 Y

SUMMARY PRINTOUT

	SECNO	ELMIN	CWSEL	SSTA	ENDST	TOPWID	DEPTH	Q	HV	DIFWSX	QWEIR	ELTRD	ELLC
	28.358	1199.00	1217.31	5001.92	6330.59	1328.67	18.31	225000.00	1.56	.00	.00	.00	.00
	28.358	1199.00	1218.31	5000.00	6334.08	1334.08	19.31	225000.00	1.39	.00	.00	.00	.00
	28.646	1197.20	1218.03	9318.62	11130.36	1811.74	20.83	225000.00	2.65	.72	.00	.00	.00
	28.646	1197.20	1218.71	9312.15	10900.00	1587.85	21.51	225000.00	2.65	.40	.00	.00	.00
	28.831	1199.00	1220.50	9201.81	11246.71	2044.90	21.50	225000.00	1.17	2.47	.00	.00	.00
	28.831	1199.00	1221.11	9200.00	10900.00	1700.00	22.11	225000.00	1.17	2.40	.00	.00	.00
	29.017	1199.10	1220.99	9105.07	11321.30	2216.23	21.89	225000.00	1.36	.49	.00	.00	.00
	29.017	1199.10	1221.45	9102.74	10750.00	1647.26	22.35	225000.00	1.55	.34	.00	.00	.00
	29.221	1201.50	1221.49	9187.10	10925.68	1738.57	19.99	225000.00	1.85	.50	.00	.00	.00
	29.221	1201.50	1221.84	9400.00	10900.00	1500.00	20.34	225000.00	2.35	.39	.00	.00	.00
	29.473	1203.00	1223.05	8852.45	11422.33	2380.71	20.05	225000.00	1.38	1.57	.00	.00	.00
	29.473	1203.00	1224.07	9150.00	11300.00	2150.00	21.07	225000.00	1.26	2.23	.00	.00	.00
	29.676	1198.40	1224.28	8820.15	11837.41	3017.26	25.88	225000.00	.78	1.22	.00	.00	.00
	29.676	1198.40	1224.80	8850.00	11270.00	2420.00	26.40	225000.00	1.16	.72	.00	.00	.00
*	29.981	1209.10	1224.79	8930.89	10833.33	1900.99	15.69	225000.00	3.89	.51	.00	.00	.00
*	29.981	1209.10	1224.93	9400.00	10820.00	1419.50	15.83	225000.00	4.68	.13	.00	.00	.00
	29.982	1209.10	1225.61	8927.75	10837.59	1909.84	16.51	225000.00	3.16	.82	.00	.00	.00
	29.982	1209.10	1225.88	9400.00	10820.00	1420.00	16.78	225000.00	3.83	.95	.00	.00	.00
*	30.194	1208.80	1229.62	9058.87	10877.73	1818.86	20.82	225000.00	4.17	4.01	.00	.00	.00
*	30.194	1208.80	1229.56	9059.13	10800.00	1740.87	20.76	225000.00	4.26	3.68	.00	.00	.00
	30.195	1208.80	1230.66	9054.70	10894.82	1840.12	21.86	225000.00	3.24	1.04	.00	.00	.00
	30.195	1208.80	1230.59	9054.98	10800.00	1745.02	21.79	225000.00	3.33	1.04	.00	.00	.00

	SECNO	FLMIN	CWSEL	SSTA	ENDST	TOPWID	DEPTH	Q	HV	DIFWSX	QWEIR	ELTRD	ELLC
	30.458	1214.70	1234.02	9347.92	10778.71	1430.80	19.32	227500.00	2.05	3.36	.00	.00	.00
	30.458	1214.70	1234.07	9350.00	10775.00	1425.00	19.37	227500.00	2.04	3.48	.00	.00	.00
	30.815	1216.00	1236.05	9407.83	10943.09	1525.79	20.05	227500.00	2.12	2.03	.00	.00	.00
	30.815	1216.00	1235.96	9409.64	10800.00	1378.95	19.96	227500.00	2.39	1.89	.00	.00	.00
*	31.028	1212.70	1237.73	9098.87	10842.21	1644.54	25.03	227500.00	4.54	1.68	.00	.00	.00
*	31.028	1212.70	1237.53	9418.26	10841.63	1423.37	24.83	227500.00	4.88	1.57	.00	.00	.00
	31.029	1212.70	1238.83	9084.49	10845.28	1679.88	26.13	227500.00	3.55	1.10	.00	.00	.00
	31.029	1212.70	1238.67	9413.56	10844.82	1431.26	25.97	227500.00	3.85	1.14	.00	.00	.00
	31.301	1220.10	1242.85	8021.15	10890.75	2869.61	22.75	227500.00	1.05	4.02	.00	.00	.00
	31.301	1220.10	1243.02	8770.00	10890.00	2120.00	22.92	227500.00	1.06	4.34	.00	.00	.00
	31.522	1224.40	1243.74	8045.09	11516.09	3434.72	19.34	227500.00	.88	.89	.00	.00	.00
	31.522	1224.40	1243.78	8250.00	11450.00	3165.26	19.38	227500.00	1.05	.77	.00	.00	.00
	31.725	1229.50	1244.61	7464.34	12545.06	4339.46	15.11	227500.00	.91	.87	.00	.00	.00
	31.725	1229.50	1244.74	8230.00	11950.00	3428.43	15.24	227500.00	1.21	.96	.00	.00	.00
	31.896	1228.10	1245.50	8297.77	13122.76	4197.49	17.40	227500.00	1.49	.89	.00	.00	.00
	31.896	1228.10	1245.98	8300.00	12000.00	3422.10	17.88	227500.00	1.38	1.23	.00	.00	.00
	32.126	1233.90	1247.85	8092.41	14030.04	4092.72	13.95	227500.00	1.79	2.35	.00	.00	.00
	32.126	1233.90	1247.86	8500.00	11600.00	2697.96	13.96	227500.00	2.05	1.88	.00	.00	.00
	32.127	1233.90	1247.87	8088.63	14030.09	4106.34	13.97	227500.00	1.79	.02	.00	.00	.00
	32.127	1233.90	1247.88	8500.00	11600.00	2699.34	13.98	227500.00	2.05	.02	.00	.00	.00
	32.296	1235.60	1250.43	7298.77	13300.42	5938.25	14.83	227500.00	1.11	2.56	.00	.00	.00
	32.296	1235.60	1250.52	7900.00	11400.00	3500.00	14.92	227500.00	1.56	2.65	.00	.00	.00
	32.465	1238.30	1251.83	7702.90	14771.09	5953.60	13.53	227500.00	1.16	1.40	.00	.00	.00
	32.465	1238.30	1252.37	7875.00	11500.00	3604.25	14.07	227500.00	1.38	1.85	.00	.00	.00
	32.641	1239.00	1253.08	7196.95	13020.91	5421.67	14.08	227500.00	.99	1.25	.00	.00	.00
	32.641	1239.00	1253.58	8500.00	11600.00	3100.00	14.58	227500.00	1.46	1.21	.00	.00	.00
	32.653	1239.00	1253.39	7194.91	14368.64	5999.12	14.39	227500.00	.79	.30	.00	.00	.00
	32.653	1239.00	1254.08	8500.00	11600.00	3100.00	15.08	227500.00	1.11	.50	.00	.00	.00
	32.655	1239.00	1252.99	8613.58	12716.13	3686.57	13.99	227500.00	1.61	-.40	.00	1248.00	1300.00
	32.655	1239.00	1254.01	8611.66	11600.00	2927.54	15.01	227500.00	1.27	-.07	.00	1248.00	1300.00
	32.661	1239.00	1253.14	8613.29	12726.00	3753.42	14.14	227500.00	1.54	.15	.00	.00	.00
	32.661	1239.00	1254.10	8611.48	11600.00	2927.96	15.10	227500.00	1.24	.09	.00	.00	.00
	32.663	1239.00	1254.37	7188.37	14902.04	6535.67	15.37	227500.00	.60	1.23	.00	.00	.00
	32.663	1239.00	1254.34	8500.00	11600.00	3100.00	15.34	227500.00	1.06	.24	.00	.00	.00

	SECNO	ELMIN	CWSEL	SSTA	ENDST	TOPWID	DEPTH	Q	HV	DIFWSX	QWEIR	ELTRD	ELLC
	32.676	1240.00	1254.03	8477.53	14351.22	4634.28	14.03	230000.00	1.35	-.34	.00	.00	.00
	32.676	1240.00	1254.20	8500.00	11600.00	2967.11	14.20	230000.00	1.44	-.14	.00	.00	.00
*	32.862	1240.40	1255.74	8493.73	14781.21	4721.83	15.34	230000.00	2.46	1.71	.00	.00	.00
*	32.862	1240.40	1255.57	8494.13	12200.00	3549.39	15.17	230000.00	2.74	1.37	.00	.00	.00
	32.863	1240.40	1256.38	8493.60	14782.77	5375.48	15.98	230000.00	1.90	.63	.00	.00	.00
	32.863	1240.40	1256.22	8490.00	12200.00	3633.60	15.82	230000.00	2.17	.65	.00	.00	.00
	33.023	1239.50	1259.03	5930.00	14581.93	8212.04	19.53	230000.00	.62	2.65	.00	.00	.00
	33.023	1239.50	1258.96	8280.00	11600.00	3320.00	19.46	230000.00	1.41	2.73	.00	.00	.00
	33.024	1239.50	1259.03	5930.00	14583.12	8215.59	19.53	230000.00	.62	.01	.00	.00	.00
	33.024	1239.50	1258.97	8280.00	11600.00	3320.00	19.47	230000.00	1.41	.01	.00	.00	.00
	33.205	1240.90	1259.86	7569.46	14994.09	6665.03	18.96	230000.00	.88	.83	.00	.00	.00
	33.205	1240.90	1260.71	7862.00	11562.00	3700.00	19.81	230000.00	1.09	1.74	.00	.00	.00
	33.385	1242.90	1261.19	7755.51	15162.65	7407.14	18.29	230000.00	.59	1.33	.00	.00	.00
	33.385	1242.90	1261.99	7754.25	11600.00	3845.75	19.09	230000.00	.92	1.28	.00	.00	.00
	33.557	1243.50	1262.02	7729.89	15326.95	7051.80	18.52	230000.00	.75	.82	.00	.00	.00
	33.557	1243.50	1262.94	7730.00	11600.00	3870.00	19.44	230000.00	.92	.95	.00	.00	.00
	33.726	1243.90	1263.02	7801.63	15066.67	6883.75	19.12	232500.00	.93	1.00	.00	.00	.00
	33.726	1243.90	1263.90	7799.39	11450.00	3650.61	20.00	232500.00	.93	.96	.00	.00	.00
	33.892	1245.70	1263.96	8028.59	13730.55	4585.48	18.26	232500.00	1.59	.94	.00	.00	.00
	33.892	1245.70	1264.71	8030.00	11300.00	3270.00	19.01	232500.00	1.31	.81	.00	.00	.00
	34.091	1248.00	1266.00	7634.80	12111.26	3671.81	18.00	232500.00	1.10	2.04	.00	.00	.00
	34.091	1248.00	1266.18	8450.00	11220.00	2770.00	18.18	232500.00	1.61	1.46	.00	.00	.00
*	34.271	1248.00	1266.30	8743.57	11709.36	2495.64	18.30	232500.00	3.31	.29	.00	.00	.00
	34.271	1248.00	1267.10	8859.60	11016.60	2157.00	19.10	232500.00	3.28	.92	.00	.00	.00
	34.272	1248.00	1266.88	8742.27	11737.82	2566.14	18.88	232500.00	2.79	.59	.00	.00	.00
	34.272	1248.00	1267.28	8859.60	11016.60	2157.00	19.28	232500.00	3.13	.18	.00	.00	.00
	34.453	1249.50	1269.91	8880.64	14286.00	4382.92	20.41	232500.00	2.22	3.02	.00	.00	.00
	34.453	1249.50	1270.70	8878.54	11140.00	2261.45	21.20	232500.00	2.05	3.42	.00	.00	.00
	34.642	1247.90	1272.18	9060.48	14702.84	3915.15	24.28	235000.00	2.08	2.28	.00	.00	.00
	34.642	1247.90	1272.51	9060.00	11170.00	2110.00	24.61	235000.00	2.12	1.81	.00	.00	.00
	34.856	1251.90	1274.35	8856.40	14261.50	3543.04	22.45	235000.00	1.33	2.17	.00	.00	.00
	34.856	1251.90	1274.50	9100.00	11180.00	2080.00	22.60	235000.00	1.53	1.99	.00	.00	.00
	35.136	1256.30	1275.65	8843.88	13948.99	4079.47	19.35	235000.00	1.38	1.30	.00	.00	.00
	35.136	1256.30	1276.01	8850.00	11160.00	2310.00	19.71	235000.00	1.39	1.51	.00	.00	.00

SECNO	ELMIN	CWSEL	SSTA	ENDST	TOPWID	DEPTH	Q	HV	DIFWSX	QWEIR	ELTRD	ELLC
35.297	1255.90	1276.45	8715.75	12040.29	3294.68	20.55	235000.00	1.66	.80	.00	.00	.00
35.297	1255.90	1276.81	8720.00	11250.00	2530.00	20.91	235000.00	1.58	.80	.00	.00	.00
35.480	1256.30	1277.74	8633.35	11680.70	2625.72	21.44	235000.00	1.33	1.29	.00	.00	.00
35.480	1256.30	1278.00	8855.15	11350.00	2494.85	21.70	235000.00	1.28	1.19	.00	.00	.00
35.661	1258.00	1278.56	8524.89	11409.80	2706.34	20.56	237500.00	1.52	.82	.00	.00	.00
35.661	1258.00	1278.76	8807.39	11400.00	2592.61	20.76	237500.00	1.47	.76	.00	.00	.00
36.011	1260.50	1280.72	8236.51	10845.10	2198.61	20.22	237500.00	1.97	2.16	.00	.00	.00
36.011	1260.50	1280.78	8750.00	10845.26	2095.26	20.28	237500.00	2.02	2.02	.00	.00	.00
36.203	1262.10	1282.00	8146.74	10754.13	2084.87	19.90	237500.00	2.38	1.28	.00	.00	.00
36.203	1262.10	1282.01	8734.61	10700.00	1965.38	19.91	237500.00	2.57	1.23	.00	.00	.00
36.403	1265.30	1283.54	8461.60	10754.79	1976.85	18.24	237500.00	3.35	1.54	.00	.00	.00
36.403	1265.30	1283.71	8801.21	10750.00	1922.26	18.41	237500.00	3.34	1.70	.00	.00	.00
36.404	1265.30	1283.56	8461.58	10754.81	1978.25	18.26	237500.00	3.34	.02	.00	.00	.00
36.404	1265.30	1283.81	8800.00	10750.00	1937.67	18.51	237500.00	3.26	.10	.00	.00	.00
36.595	1262.60	1285.55	8782.09	10642.43	1675.56	22.95	237500.00	4.25	1.99	.00	.00	.00
36.595	1262.60	1285.62	9036.44	10642.63	1606.19	23.02	237500.00	4.30	1.81	.00	.00	.00
36.596	1262.60	1286.14	8781.06	10643.97	1683.72	23.54	237500.00	3.72	.60	.00	.00	.00
36.596	1262.60	1286.11	9032.85	10643.88	1611.04	23.51	237500.00	3.86	.49	.00	.00	.00
36.775	1265.70	1288.02	9081.46	10639.09	1451.25	22.32	240000.00	4.20	1.88	.00	.00	.00
36.775	1265.70	1288.07	9259.54	10639.23	1379.68	22.37	240000.00	4.28	1.96	.00	.00	.00
36.953	1268.40	1291.80	9294.97	10794.50	1499.53	23.40	240000.00	1.88	3.78	.00	.00	.00
36.953	1268.40	1291.87	9440.00	10794.70	1354.70	23.47	240000.00	1.95	3.80	.00	.00	.00
37.152	1272.50	1292.81	9454.38	10992.71	1538.34	20.31	240000.00	1.88	1.01	.00	.00	.00
37.152	1272.50	1292.78	9454.42	10800.00	1345.57	20.28	240000.00	2.18	.91	.00	.00	.00
37.328	1270.90	1294.07	9340.50	11251.16	1899.62	23.17	240000.00	1.87	1.26	.00	.00	.00
37.328	1270.90	1294.16	9351.00	10701.00	1339.64	23.26	240000.00	2.18	1.38	.00	.00	.00
37.523	1273.00	1295.15	9390.26	10740.94	1350.68	22.15	240000.00	2.30	1.08	.00	.00	.00
37.523	1273.00	1295.51	9450.00	10720.00	1270.00	22.51	240000.00	2.24	1.35	.00	.00	.00
37.720	1274.00	1295.67	9512.33	10673.28	984.82	21.67	242500.00	4.13	.52	.00	.00	.00
37.720	1274.00	1295.98	9571.29	10481.51	910.22	21.98	242500.00	3.99	.46	.00	.00	.00
37.898	1274.50	1299.48	9552.90	10842.85	1260.51	24.98	242500.00	2.55	3.81	.00	.00	.00
37.898	1274.50	1299.45	9711.20	10615.00	903.80	24.95	242500.00	2.74	3.47	.00	.00	.00
38.074	1276.10	1301.93	9448.34	10770.57	1322.23	25.83	242500.00	1.95	2.45	.00	.00	.00
38.074	1276.10	1302.07	9700.00	10753.60	1053.60	25.97	242500.00	2.04	2.62	.00	.00	.00

SECNO	ELMIN	CWSEL	SSTA	ENDST	TOPWID	DEPTH	Q	HV	DIFWSX	QWEIR	ELTRD	ELLC
38.261	1274.20	1303.69	9464.08	10845.74	1381.66	29.49	242500.00	1.86	1.77	.00	.00	.00
38.261	1274.20	1303.65	9800.00	10845.51	1045.51	29.45	242500.00	2.48	1.58	.00	.00	.00
38.439	1276.40	1305.19	9498.32	10847.57	1349.25	28.79	242500.00	1.63	1.50	.00	.00	.00
38.439	1276.40	1305.69	9750.00	10848.46	1098.46	29.29	242500.00	1.97	2.04	.00	.00	.00
38.636	1277.20	1306.17	9528.83	10793.21	1264.38	28.97	242500.00	1.98	.98	.00	.00	.00
38.636	1277.20	1307.09	9600.00	10795.71	1195.71	29.89	242500.00	1.81	1.40	.00	.00	.00
38.822	1276.60	1307.68	9514.20	10713.13	1198.93	31.08	245000.00	1.59	1.51	.00	.00	.00
38.822	1276.60	1308.40	9511.00	10714.46	1203.46	31.80	245000.00	1.48	1.31	.00	.00	.00
39.009	1279.50	1308.62	9508.93	10620.79	1111.86	29.12	245000.00	1.55	.94	.00	.00	.00
39.009	1279.50	1309.23	9504.85	10622.23	1117.38	29.73	245000.00	1.46	.83	.00	.00	.00
39.098	1281.70	1309.28	9473.30	10650.82	1177.52	27.58	245000.00	1.32	.66	.00	.00	.00
39.098	1281.70	1309.84	9472.44	10651.69	1179.25	28.14	245000.00	1.26	.61	.00	.00	.00
39.116	1286.80	1308.69	9469.89	10594.73	1124.84	21.89	245000.00	2.30	-.58	.00	.00	.00
39.116	1286.80	1309.30	9469.42	10595.16	1125.74	22.50	245000.00	2.15	-.53	.00	.00	.00

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SUMMARY PRINTOUT TABLE 110

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
	28.358	1217.31	.00	1218.87	1328.67	.00	225000.00	.00	.00	.00	5000.00	6340.00	.00
	28.358	1218.31	.00	1219.70	1334.08	.00	225000.00	.00	.00	.00	5000.00	6340.00	.00
	28.646	1218.03	.00	1220.68	1811.74	37595.02	171888.80	15516.19	.00	.00	9945.60	10770.20	.00
	28.646	1218.71	.68	1221.36	1587.85	41809.62	177395.70	5794.70	1600.00	9300.00	9945.60	10770.20	10900.00
	28.831	1220.50	.00	1221.67	2044.90	129615.80	59965.29	35418.89	.00	.00	10185.70	10495.80	.00
	28.831	1221.11	.61	1222.28	1700.00	132889.70	60776.56	31333.72	1700.00	9200.00	10185.70	10495.80	10900.00
	29.017	1220.99	.00	1222.35	2216.23	62915.59	138617.50	23466.90	.00	.00	9861.50	10619.80	.00
	29.017	1221.45	.46	1223.00	1647.26	68756.31	147793.00	8450.66	1650.00	9100.00	9861.50	10619.80	10750.00
	29.221	1221.49	.00	1223.34	1738.57	72300.27	122773.80	29925.88	.00	.00	9684.70	10402.60	.00
	29.221	1221.84	.36	1224.19	1500.00	48773.42	141628.10	34598.43	1500.00	9400.00	9684.70	10402.60	10900.00
	29.473	1223.05	.00	1224.44	2380.71	38548.15	122749.50	63702.36	.00	.00	9369.60	10096.70	.00
	29.473	1224.07	1.02	1225.33	2150.00	36742.21	122664.00	65593.80	2150.00	9150.00	9369.60	10096.70	11300.00
	29.676	1224.28	.00	1225.06	3017.26	30431.71	52907.75	141660.50	.00	.00	9012.50	9284.30	.00
	29.676	1224.80	.52	1225.96	2420.00	30473.69	65817.49	128708.80	2420.00	8850.00	9012.50	9284.30	11270.00
*	29.981	1224.79	.00	1228.68	1900.99	9090.54	115236.30	100673.20	.00	.00	9163.40	10000.00	.00
*	29.981	1224.93	.14	1229.61	1419.50	.00	124892.90	100107.10	1420.00	9400.00	9163.40	10000.00	10820.00
	29.982	1225.61	.00	1228.78	1909.84	10505.60	114050.40	100444.00	.00	.00	9163.40	10000.00	.00
	29.982	1225.88	.27	1229.71	1420.00	.00	122256.60	102743.50	1420.00	9400.00	9163.40	10000.00	10820.00
*	30.194	1229.62	.00	1233.80	1818.86	.00	194895.80	30104.19	.00	.00	9032.10	10000.00	.00
*	30.194	1229.56	-.07	1233.82	1740.87	.00	195472.40	29527.57	1746.00	9054.00	9032.10	10000.00	10800.00
	30.195	1230.66	.00	1233.90	1840.12	.00	188157.00	36842.99	.00	.00	9032.10	10000.00	.00
	30.195	1230.59	-.07	1233.92	1745.02	.00	189180.90	35819.10	1746.00	9054.00	9032.10	10000.00	10800.00
	30.458	1234.02	.00	1236.07	1430.80	.00	227499.90	.13	.00	.00	9333.50	10777.30	.00
	30.458	1234.07	.05	1236.11	1425.00	.00	227500.00	.00	1425.00	9350.00	9333.50	10777.30	10775.00
	30.815	1236.05	.00	1238.18	1525.79	1360.66	226139.30	.00	.00	.00	9568.20	11136.30	.00
	30.815	1235.96	-.09	1238.35	1378.95	1331.32	226168.70	.00	1490.00	9310.00	9568.20	11136.30	10800.00
*	31.028	1237.73	.00	1242.28	1644.54	74127.64	139348.30	14024.04	.00	.00	10322.80	10772.20	.00
*	31.028	1237.53	-.21	1242.40	1423.37	71901.59	141374.60	14223.79	1435.00	9410.00	10322.80	10772.20	10845.00
	31.029	1238.83	.00	1242.39	1679.88	81113.20	132964.20	13422.63	.00	.00	10322.80	10772.20	.00
	31.029	1238.67	-.16	1242.52	1431.26	78340.25	135490.60	13669.16	1435.00	9410.00	10322.80	10772.20	10845.00
	31.301	1242.85	.00	1243.90	2869.61	57985.14	168093.20	1421.70	.00	.00	9689.60	10867.50	.00
	31.301	1243.02	.16	1244.07	2120.00	57193.01	168866.60	1440.35	2120.00	8770.00	9689.60	10867.50	10890.00

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
31.522	1243.74	.00	1244.62	3434.72	47636.61	179863.40	.00	.00	.00	9428.60	11538.90	.00
31.522	1243.78	.04	1244.83	3165.26	37750.95	189749.00	.00	3200.00	8250.00	9428.60	11538.90	11450.00
31.725	1244.61	.00	1245.52	4339.46	47248.95	120482.60	59768.44	.00	.00	9544.00	11019.80	.00
31.725	1244.74	.13	1245.95	3428.43	44795.34	137666.30	45038.38	3720.00	8230.00	9544.00	11019.80	11950.00
31.896	1245.50	.00	1246.99	4197.49	76511.30	146461.30	4527.37	.00	.00	9650.20	12145.50	.00
31.896	1245.98	.47	1247.35	3422.10	75994.33	151505.70	.00	3700.00	8300.00	9650.20	12145.50	12000.00
32.126	1247.85	.00	1249.64	4092.72	.18	218473.80	9026.09	.00	.00	8480.80	11726.60	.00
32.126	1247.86	.01	1249.91	2697.96	.00	227500.00	.00	3100.00	8500.00	8480.80	11726.60	11600.00
32.127	1247.87	.00	1249.66	4106.34	.31	218408.70	9091.03	.00	.00	8480.80	11726.60	.00
32.127	1247.88	.00	1249.92	2699.34	.00	227500.00	.00	3100.00	8500.00	8480.80	11726.60	11600.00
32.296	1250.43	.00	1251.34	5938.25	116517.30	85753.15	25229.55	.00	.00	9694.30	11211.10	.00
32.296	1250.52	.09	1252.08	3500.00	128447.20	98133.65	919.19	3500.00	7900.00	9694.30	11211.10	11400.00
32.465	1251.83	.00	1252.99	5953.60	139903.50	70035.86	17560.69	.00	.00	9925.90	11161.40	.00
32.465	1252.37	.54	1253.75	3604.25	149100.00	77504.05	895.94	3625.00	7875.00	9925.90	11161.40	11500.00
32.641	1253.08	.00	1254.07	5421.67	62755.76	157907.70	6836.53	.00	.00	8951.30	11280.70	.00
32.641	1253.58	.49	1255.04	3100.00	31146.42	195051.30	1302.28	3100.00	8500.00	8951.30	11280.70	11600.00
32.653	1253.39	.00	1254.18	5999.12	36151.79	144827.20	46520.98	.00	.00	8636.00	9866.00	.00
32.653	1254.08	.69	1255.19	3100.00	5425.89	170402.50	51671.64	3100.00	8500.00	8636.00	9866.00	11600.00
32.655	1252.99	.00	1254.60	3686.57	.00	184213.00	43286.96	.00	.00	8606.00	9904.00	.00
32.655	1254.01	1.02	1255.28	2927.54	.00	176559.30	50940.76	3100.00	8500.00	8606.00	9904.00	11600.00
32.661	1253.14	.00	1254.68	3753.42	.00	182441.40	45058.63	.00	.00	8606.00	9904.00	.00
32.661	1254.10	.96	1255.33	2927.96	.00	175257.90	52242.09	3100.00	8500.00	8606.00	9904.00	11600.00
32.663	1254.37	.00	1254.97	6535.67	38341.14	137425.90	51732.97	.00	.00	8636.00	9866.00	.00
32.663	1254.34	-.03	1255.40	3100.00	5528.57	169235.10	52736.35	3100.00	8500.00	8636.00	9866.00	11600.00
32.676	1254.03	.00	1255.38	4634.28	.00	222041.30	7958.74	.00	.00	8469.70	11507.80	.00
32.676	1254.20	.17	1255.64	2967.11	.00	229637.70	362.30	3100.00	8500.00	8469.70	11507.80	11600.00
* 32.862	1255.74	.00	1258.20	4721.83	.00	212632.10	17367.89	-8493.60	8493.60	8493.60	11352.70	15810.10
* 32.862	1255.57	-.17	1258.31	3549.39	.00	215345.20	14654.82	3710.00	8490.00	8493.60	11352.70	12200.00
32.863	1256.38	.00	1258.28	5375.48	.00	208556.30	21443.67	-8493.60	8493.60	8493.60	11352.70	15810.11
32.863	1256.22	-.16	1258.39	3633.60	2.56	213574.00	16423.47	3710.00	8490.00	8493.60	11352.70	12200.00
33.023	1259.03	.00	1259.65	8212.04	50776.82	142472.60	36750.58	.00	.00	8281.20	11327.70	.00
33.023	1258.96	-.07	1260.37	3320.00	1.08	193165.30	36833.64	3320.00	8280.00	8281.20	11327.70	11600.00
33.024	1259.03	.00	1259.65	8215.59	50781.58	142450.40	36767.99	.00	.00	8281.20	11327.70	.00
33.024	1258.97	-.06	1260.37	3320.00	1.11	193195.10	36803.80	3320.00	8280.00	8281.20	11327.70	11600.00

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
33.205	1259.86	.00	1260.74	6665.03	27448.23	148865.80	53685.97	.00	.00	8080.80	11345.80	.00
33.205	1260.71	.85	1261.80	3700.00	25100.42	182385.40	22514.14	3700.00	7862.00	8080.80	11345.80	11562.00
33.385	1261.19	.00	1261.79	7407.14	.00	166989.30	63010.69	.00	.00	7749.30	11448.00	.00
33.385	1261.99	.80	1262.91	3845.75	.00	215444.60	14555.44	3851.00	7749.00	7749.30	11448.00	11600.00
33.557	1262.02	.00	1262.76	7051.80	1454.28	174269.20	54276.57	.00	.00	7752.40	11413.90	.00
33.557	1262.94	.92	1263.86	3870.00	1605.27	206416.90	21977.85	3870.00	7730.00	7752.40	11413.90	11600.00
33.726	1263.02	.00	1263.94	6883.75	.00	208756.10	23743.85	.00	.00	7794.30	11232.50	.00
33.726	1263.90	.88	1264.83	3650.61	.00	225398.50	7101.50	3656.00	7794.00	7794.30	11232.50	11450.00
33.892	1263.96	.00	1265.55	4585.48	3504.95	224695.50	4299.56	.00	.00	8069.20	11130.40	.00
33.892	1264.71	.75	1266.02	3270.00	3427.66	224711.60	4360.73	3270.00	8030.00	8069.20	11130.40	11300.00
34.091	1266.00	.00	1267.11	3671.81	52321.32	169824.40	10354.24	.00	.00	8453.80	10924.90	.00
34.091	1266.18	.17	1267.79	2770.00	363.50	220415.70	11720.78	2770.00	8450.00	8453.80	10924.90	11220.00
34.271	1266.30	.00	1269.61	2495.64	.00	232452.60	47.41	.00	.00	8723.00	11150.10	.00
34.271	1267.10	.80	1270.37	2157.00	.00	232500.00	.00	2157.00	8859.60	8723.00	11150.10	11016.60
34.272	1266.88	.00	1269.68	2566.14	.00	232312.30	187.70	.00	.00	8723.00	11150.10	.00
34.272	1267.28	.39	1270.40	2157.00	.00	232500.00	.00	2157.00	8859.60	8723.00	11150.10	11016.60
34.453	1269.91	.00	1272.13	4382.92	3277.17	225119.10	4103.71	.00	.00	8920.60	11281.70	.00
34.453	1270.70	.79	1272.75	2261.45	3335.35	229164.60	.00	2270.00	8870.00	8920.60	11281.70	11140.00
34.642	1272.18	.00	1274.27	3915.15	3466.72	224945.20	6588.10	.00	.00	9095.10	11178.90	.00
34.642	1272.51	.32	1274.62	2110.00	3545.80	231454.20	.00	2110.00	9060.00	9095.10	11178.90	11170.00
34.856	1274.35	.00	1275.67	3543.04	9027.86	223104.20	2867.90	.00	.00	9126.90	11496.60	.00
34.856	1274.50	.15	1276.03	2080.00	2577.71	232422.30	.00	2080.00	9100.00	9126.90	11496.60	11180.00
35.136	1275.65	.00	1277.04	4079.47	73923.74	153700.90	7375.38	.00	.00	9646.30	10892.10	.00
35.136	1276.01	.36	1277.41	2310.00	75997.18	156981.00	2021.77	2310.00	8850.00	9646.30	10892.10	11160.00
35.297	1276.45	.00	1278.11	3294.68	128755.90	103438.70	2805.40	.00	.00	10436.30	10969.60	.00
35.297	1276.81	.36	1278.39	2530.00	131395.50	102726.80	877.74	2530.00	8720.00	10436.30	10969.60	11250.00
35.480	1277.74	.00	1279.07	2625.72	103683.20	97156.05	34160.78	.00	.00	10498.80	11026.90	.00
35.480	1278.00	.26	1279.28	2494.85	104982.90	96263.77	33753.27	2500.00	8850.00	10498.80	11026.90	11350.00
35.661	1278.56	.00	1280.07	2706.34	85282.19	113135.60	39082.18	.00	.00	10209.20	11055.00	.00
35.661	1278.76	.20	1280.22	2592.61	85918.66	112685.40	38895.93	2610.00	8790.00	10209.20	11055.00	11400.00
36.011	1280.72	.00	1282.69	2198.61	61416.90	176083.10	.00	.00	.00	9618.60	10862.50	.00
36.011	1280.78	.06	1282.80	2095.26	58856.65	178643.30	.00	2100.00	8750.00	9618.60	10862.50	10850.00
36.203	1282.00	.00	1284.38	2084.87	36099.75	201400.20	.00	.00	.00	9495.80	10769.00	.00
36.203	1282.01	.01	1284.58	1965.38	35141.27	202358.70	.00	1970.00	8730.00	9495.80	10769.00	10700.00

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
36.403	1283.54	.00	1286.89	1976.83	31778.79	205721.20	.00	.00	.00	9583.80	10761.50	.00
36.403	1283.71	.17	1287.05	1922.26	29824.93	207675.10	.00	1950.00	8800.00	9583.80	10761.50	10750.00
36.404	1283.56	.00	1286.90	1978.25	31834.05	205666.00	.00	.00	.00	9583.80	10761.50	.00
36.404	1283.81	.25	1287.07	1937.67	30415.31	207084.70	.00	1950.00	8800.00	9583.80	10761.50	10750.00
36.595	1285.55	.00	1289.80	1675.56	48173.54	189326.40	.00	.00	.00	9914.60	10666.50	.00
36.595	1285.62	.08	1289.92	1606.19	47021.40	190478.60	.00	1620.00	9030.00	9914.60	10666.50	10650.00
36.596	1286.14	.00	1289.87	1683.72	52330.54	185169.50	.00	.00	.00	9914.60	10666.50	.00
36.596	1286.11	-.03	1289.98	1611.04	50324.55	187175.40	.00	1620.00	9030.00	9914.60	10666.50	10650.00
36.775	1288.02	.00	1292.23	1451.25	58470.56	181529.40	.00	.00	.00	10039.00	10680.30	.00
36.775	1288.07	.05	1292.35	1379.68	57219.63	182780.40	.00	1400.00	9250.00	10039.00	10680.30	10650.00
36.953	1291.80	.00	1293.68	1499.53	54308.59	185691.40	.00	.00	.00	9875.70	10831.70	.00
36.953	1291.87	.07	1293.82	1354.70	51963.50	188036.50	.00	1360.00	9440.00	9875.70	10831.70	10800.00
37.152	1292.81	.00	1294.69	1538.34	.00	222752.50	17247.48	.00	.00	9429.30	10631.80	.00
37.152	1292.78	-.03	1294.96	1345.57	.00	234856.40	5143.57	1350.00	9450.00	9429.30	10631.80	10800.00
37.328	1294.07	.00	1295.94	1899.62	72.57	228728.80	11198.59	.00	.00	9388.60	10751.30	.00
37.328	1294.16	.09	1296.35	1339.64	65.35	239934.70	.00	1350.00	9351.00	9388.60	10751.30	10701.00
37.523	1295.15	.00	1297.45	1350.68	.00	211731.60	28268.38	.00	.00	9368.70	10437.90	.00
37.523	1295.51	.36	1297.75	1270.00	.00	211225.00	28774.99	1270.00	9450.00	9368.70	10437.90	10720.00
37.720	1295.67	.00	1299.80	984.82	88.51	242353.40	58.10	.00	.00	9561.40	10487.30	.00
37.720	1295.98	.30	1299.97	910.22	.00	242500.00	.00	925.90	9561.40	9561.40	10487.30	10487.30
37.898	1299.48	.00	1302.03	1260.51	4853.45	236798.70	847.87	.00	.00	9711.20	10615.00	.00
37.898	1299.45	-.03	1302.19	903.80	.00	242500.00	.00	903.80	9711.20	9711.20	10615.00	10615.00
38.074	1301.93	.00	1303.88	1322.23	28215.49	214282.50	2.06	.00	.00	9875.80	10753.60	.00
38.074	1302.07	.14	1304.11	1053.60	25589.57	216910.40	.00	1053.60	9700.00	9875.80	10753.60	10753.60
38.261	1303.69	.00	1305.56	1381.66	65852.90	176647.10	.00	.00	.00	10141.90	10880.50	.00
38.261	1303.65	-.04	1306.12	1045.51	44182.61	198317.40	.00	1050.00	9800.00	10141.90	10880.50	10850.00
38.439	1305.19	.00	1306.82	1349.25	48724.63	193775.40	.00	.00	.00	10000.00	10857.40	.00
38.439	1305.69	.50	1307.66	1098.46	28846.29	213653.70	.00	1107.40	9750.00	10000.00	10857.40	10857.40
38.636	1306.17	.00	1308.16	1264.38	2664.42	239835.60	.00	.00	.00	9635.20	10802.60	.00
38.636	1307.09	.91	1308.90	1195.71	1978.73	240521.30	.00	1202.60	9600.00	9635.20	10802.60	10802.60
38.822	1307.68	.00	1309.27	1198.93	32960.23	207096.70	4943.12	.00	.00	9851.80	10647.40	.00
38.822	1308.40	.72	1309.88	1203.46	33967.41	205935.80	5096.83	.00	.00	9851.80	10647.40	.00
39.009	1308.62	.00	1310.17	1111.86	.00	245000.00	.00	.00	.00	9458.70	10672.90	.00
39.009	1309.23	.61	1310.69	1117.38	.00	245000.00	.00	.00	.00	9458.70	10672.90	.00

SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
39.098	1309.28	.00	1310.60	1177.52	.00	245000.00	.00	.00	.00	9451.90	10657.40	.00
39.098	1309.84	.56	1311.09	1179.25	.00	245000.00	.00	.00	.00	9451.90	10657.40	.00
39.116	1308.69	.00	1310.99	1124.84	.00	245000.00	.00	.00	.00	9460.80	10602.00	.00
39.116	1309.30	.61	1311.45	1125.74	.00	245000.00	.00	.00	.00	9460.80	10602.00	.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION  SECNO=    29.981  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    29.981  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    29.981  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=    29.981  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    29.981  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    29.981  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    30.194  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    30.194  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    30.194  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    30.194  PROFILE= 2  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    31.028  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    31.028  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    31.028  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION  SECNO=    31.028  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    31.028  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    31.028  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=    32.862  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    32.862  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=    32.862  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    32.862  PROFILE= 2  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=    34.271  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=    34.271  PROFILE= 1  MINIMUM SPECIFIC ENERGY
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FLOODWAY DATA, SALT RIVER NATURAL 100 Y
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
28.358	1334.	23800.	9.5	1218.3	1217.3	1.0
28.646	1588.	18142.	12.4	1218.7	1218.0	.7
28.831	1700.	26347.	8.5	1221.1	1220.5	.6
29.017	1647.	23284.	9.7	1221.5	1221.0	.5
29.221	1500.	18873.	11.9	1221.9	1221.5	.4
29.473	2150.	26527.	8.5	1224.1	1223.1	1.0
29.676	2420.	28120.	8.0	1224.8	1224.3	.5
29.981	1420.	13140.	17.1	1224.9	1224.8	.1
29.982	1420.	14497.	15.5	1225.9	1225.6	.3
30.194	1741.	14565.	15.4	1229.6	1229.6	.0
30.195	1745.	16368.	13.7	1230.7	1230.7	.0
30.458	1425.	19854.	11.5	1234.1	1234.0	.1
30.815	1390.	18540.	12.3	1236.1	1236.1	.0
31.028	1423.	13811.	16.5	1237.6	1237.7	-.1
31.029	1431.	15439.	14.7	1238.7	1238.8	-.1
31.301	2120.	28211.	8.1	1243.1	1242.9	.2
31.522	3200.	28060.	8.1	1243.7	1243.7	.0
31.725	3720.	26242.	8.7	1244.7	1244.6	.1
31.896	3700.	24272.	9.4	1246.0	1245.5	.5
32.126	3100.	19784.	11.5	1247.9	1247.9	.0
32.127	3100.	19808.	11.5	1247.9	1247.9	.0
32.296	3500.	22909.	9.9	1250.5	1250.4	.1
32.465	3625.	24557.	9.3	1252.3	1251.8	.5
32.641	3100.	23858.	9.5	1253.6	1253.1	.5
32.653	3100.	28427.	8.0	1254.1	1253.4	.7
32.655	2988.	27019.	8.4	1254.0	1253.0	1.0
32.661	2989.	27289.	8.3	1254.1	1253.1	1.0
32.663	3100.	29217.	7.8	1254.4	1254.4	.0
32.676	3100.	23980.	9.6	1254.2	1254.0	.2
32.862	3706.	17448.	13.2	1255.6	1255.7	-.1
32.863	3710.	19753.	11.6	1256.3	1256.4	-.1
33.023	3320.	24607.	9.3	1259.0	1259.0	.0
33.024	3320.	24643.	9.3	1259.0	1259.0	.0
33.205	3700.	27845.	8.3	1260.7	1259.9	.8
33.385	3846.	30035.	7.7	1262.0	1261.2	.8
33.557	3870.	30115.	7.6	1262.9	1262.0	.9
33.726	3651.	30328.	7.7	1263.9	1263.0	.9
33.892	3270.	25420.	9.1	1264.7	1264.0	.7
34.091	2770.	22962.	10.1	1266.2	1266.0	.2
34.271	2157.	16007.	14.5	1267.1	1266.3	.8
34.272	2157.	16379.	14.2	1267.3	1266.9	.4
34.453	2261.	20222.	11.5	1270.7	1269.9	.8

FLOODWAY DATA, SALT RIVER NATURAL 100 Y
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	DIFFERENCE
34.642	2110.	20141.	11.7	1272.5	1272.2	.3
34.856	2080.	23752.	9.9	1274.5	1274.3	.2
35.136	2310.	25208.	9.3	1276.1	1275.7	.4
35.297	2530.	24623.	9.5	1276.8	1276.4	.4
35.480	2495.	27209.	8.6	1278.0	1277.7	.3
35.661	2593.	24926.	9.5	1278.8	1278.6	.2
36.011	2095.	21218.	11.2	1280.8	1280.7	.1
36.203	1965.	19112.	12.4	1282.0	1282.0	.0
36.403	1949.	16906.	14.0	1283.7	1283.5	.2
36.404	1950.	17103.	13.9	1283.8	1283.6	.2
36.595	1606.	15452.	15.4	1285.6	1285.5	.1
36.596	1611.	16229.	14.6	1286.1	1286.1	.0
36.775	1380.	15503.	15.5	1288.0	1288.0	.0
36.953	1355.	21667.	11.1	1291.9	1291.8	.1
37.152	1346.	20752.	11.6	1292.8	1292.8	.0
37.328	1350.	20274.	11.8	1294.2	1294.1	.1
37.523	1270.	20225.	11.9	1295.6	1295.2	.4
37.720	910.	15128.	16.0	1296.0	1295.7	.3
37.898	904.	18256.	13.3	1299.5	1299.5	.0
38.074	1054.	21178.	11.5	1302.0	1301.9	.1
38.261	1046.	19561.	12.4	1303.7	1303.7	.0
38.439	1098.	21825.	11.1	1305.7	1305.2	.5
38.636	1196.	22528.	10.8	1307.1	1306.2	.9
38.822	1203.	25689.	9.5	1308.4	1307.7	.7
39.009	1117.	25233.	9.7	1309.2	1308.6	.6
39.098	1179.	27239.	9.0	1309.9	1309.3	.6
39.116	1126.	20835.	11.8	1309.3	1308.7	.6

THIS RUN EXECUTED 10/01/88 09:38:03

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  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
  IBM-PC-XT VERSION APRIL 1985
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