BSI Consultants, Inc.

SAN DIEGO RIVER

FLOOD STUDY

HEC 2 RUNS USING

SANTEE DISCHARGE RATES

City of Santee

July, 1992

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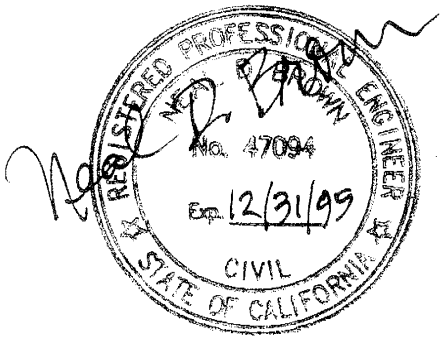
Santee Runs



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*********************************************************
*  WATER SURFACE PROFILES                               *
*  DEVELOPED BY THE COE                                 *
*  VERSION OF SEPTEMBER 1988                            *
*                                                       *
*  RUN DATE     6/24/92    TIME    13: 0: 4             *
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****************************************
*  DODSON AND ASSOCIATES, INC.         *
*  HYDROLOGIST AND CIVIL ENGINEERS     *
*  7015 W TIDWELL SUITE 107            *
*  HOUSTON, TEXAS 77092                *
*  (713) 895-8322                      *
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```
X     X  XXXXXXX   XXXXX              XXXXX
X     X  X         X     X           X     X
X     X  X         X                       X
XXXXXXX  XXXX      X          XXXXX    XXXXX
X     X  X         X                  X
X     X  X         X     X            X
X     X  XXXXXXX   XXXXX              XXXXXXX
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END OF BANNER

THIS RUN EXECUTED 6/24/92 13: 0: 5

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HEC2 RELEASE DATED SEPT 88

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T1      SAN DIEGO RIVER
T2      CITY OF SANTEE
T3      PROFILE 1 - 100 YEAR FLOODPLAIN (SANTEE)
T4      PROFILE 2 - 100 YEAR FLOODWAY (SANTEE)

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ
        0         2                             0                                   282.53

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE
        1         0        -1                                    -1                            15

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

       38         1         2         8        43        13        14        15         3         5
       55        26        56                  38        21        23        22        24        16
       17        18        39        33        25        20        12                  38         4
       53        54        10        11        51        52        58                 110       200

NC     .08       .08      0.18       0.1       0.3
QT        2     50000     50000
ET                  0       8.1                                                    340.0     600.0
        MISSION DAM - DOWNSTREAM LIMIT OF STUDY (SUB-CRITICAL FLOW ASSUMED)
X1      100      42.0     340.8     600.7       0.0       0.0       0.0
GR    322.0     106.3     320.0     113.0     318.0     136.3     316.0     145.1     314.0     149.2
GR    312.0     156.4     310.0     163.1     308.0     173.8     306.0     184.7     304.0     195.9
GR    302.0     206.5     300.0     254.3     298.0     260.1     296.0     265.0     294.0     267.5
GR    292.0     274.0     290.0     278.2     288.0     289.9     286.0     302.9     284.0     308.8
GR    282.0     315.2     280.0     340.8     278.0     347.4     276.0     353.5     274.0     360.8
GR    272.0     383.8     270.0     502.7     270.0     562.6     272.0     577.0     274.0     584.1
GR    276.0     589.9     278.0     597.2     280.0     600.7     290.0     612.3     300.0     626.4
GR    310.0     650.9     312.0     658.7     314.0     662.9     314.0     676.5     312.0     689.0
GR    310.0     703.7     300.0     723.7
```

NC	0.08	0.08	0.18							
ET		0	8.1					310.0	610.0	
X1	110	42.0	339.7	600.3	45.0	45.0	45.0			
GR	322.0	102.1	320.0	107.6	318.0	116.9	316.0	127.8	314.0	137.2
GR	312.0	150.6	310.0	159.7	308.0	165.6	306.0	171.6	304.0	186.0
GR	302.0	199.6	300.0	228.0	298.0	257.2	296.0	261.3	294.0	270.2
GR	292.0	276.4	290.0	280.6	288.0	299.4	286.0	308.1	284.0	314.0
GR	282.0	319.1	280.0	339.7	278.0	369.2	276.0	377.8	274.0	405.7
GR	274.0	424.4	276.0	513.7	274.0	561.0	274.0	571.2	278.0	589.6
GR	276.0	590.1	280.0	600.3	290.0	620.6	300.0	629.3	310.0	638.9
GR	312.0	644.0	314.0	647.2	318.0	659.0	320.0	669.0	322.0	682.9
GR	322.0	707.6	320.0	723.0						
NC	0.08	0.08	0.18							
ET		0	8.1					310.0	650	
X1	120	32.0	354.5	602.5	55.0	55.0	55.0			
GR	308.0	102.3	306.0	116.7	304.0	151.7	302.0	196.8	300.0	221.4
GR	298.0	252.0	296.0	274.8	294.0	281.9	292.0	290.3	290.0	304.3
GR	288.0	311.6	286.0	319.1	284.0	327.2	282.0	341.2	280.0	354.5
GR	278.0	367.7	276.0	399.7	274.0	403.0	274.0	425.1	274.0	467.8
GR	274.0	547.3	276.0	555.0	278.0	566.9	280.0	602.5	288.0	643.7
GR	290.0	648.8	300.0	670.6	310.0	693.0	312.0	702.1	314.0	713.5
GR	316.0	721.4	318.0	739.3						
NC	0.08	0.08	0.18							
ET		0	8.1					330.0	683	
X1	130	39.0	353.0	583.5	520.0	520.0	520.0			
GR	312.0	79.0	310.0	90.0	308.0	98.0	306.0	104.9	304.0	118.2
GR	302.0	123.6	300.0	141.8	298.0	205.2	296.0	271.7	294.0	278.5
GR	292.0	282.7	290.0	289.9	288.0	325.4	286.0	341.4	284.0	346.3
GR	280.0	353.0	278.0	357.1	278.0	375.2	278.0	394.4	276.0	420.6
GR	276.0	449.2	278.0	454.6	280.0	583.5	282.0	599.6	284.0	611.7
GR	286.0	627.5	288.0	644.3	290.0	653.5	298.0	683.1	300.0	687.1
GR	302.0	701.7	304.0	711.7	306.0	720.8	308.0	730.8	310.0	741.8
GR	312.0	759.2	314.0	773.7	316.0	790.4	318.0	820.0		
NC	0.08	0.08	0.18	0.03	0.05					
ET		0	8.1					215.0	545	
X1	140	32.0	242.6	482.4	555.0	555.0	555.0			
GR	330.0	102.8	320.0	127.5	310.0	152.4	300.0	161.2	294.0	209.3
GR	294.0	217.9	290.0	230.3	288.0	233.1	286.0	237.3	284.0	242.6
GR	282.0	247.1	280.0	259.9	278.0	269.7	276.0	332.7	276.0	349.0
GR	278.0	361.2	280.0	371.2	282.0	467.9	284.0	482.4	286.0	497.6
GR	288.0	507.7	290.0	514.9	300.0	546.9	302.0	555.2	304.0	562.8
GR	306.0	577.1	308.0	587.4	310.0	606.1	312.0	626.3	314.0	654.4
GR	316.0	690.6	316.0	781.7						
NC	0.08	0.035	0.16							
ET		6.1	8.1			108.5	1200.0	245	1200	

X1	150	39.0	273.6	738.1	555.0	555.0	580.0			
GR	324.0	108.5	322.0	117.6	320.0	129.6	318.0	140.8	316.0	151.8
GR	314.0	159.5	312.0	167.6	310.0	175.6	300.0	203.4	298.0	206.4
GR	298.0	208.7	298.0	256.1	290.0	273.6	288.0	277.8	286.0	284.5
GR	284.0	293.6	282.0	385.5	280.0	411.0	280.0	552.4	280.0	655.2
GR	280.0	703.0	290.0	738.1	292.0	750.6	294.0	758.6	296.0	870.3
GR	296.0	894.6	296.0	1042.4	298.0	1080.5	300.0	1153.4	302.0	1232.5
GR	304.0	1332.3	306.0	1432.2	308.0	1480.5	310.0	1538.6	312.0	1585.5
GR	314.0	1637.3	316.0	1690.9	318.0	1742.0	320.0	1781.4		
NH	3	0.04	497.4	0.08	1450.1	0.040	2720.0			
ET		0	8.1					415	1860	
X1	160	56	1331.1	1412.3	900.0	670.0	670.0			
GR	322.0	0.0	320.0	55.0	318.0	85.0	316.0	133.6	314.0	158.2
GR	312.0	166.4	310.0	280.5	308.0	342.6	306.0	358.4	304.0	371.8
GR	302.0	379.5	300.0	388.4	298.0	395.0	296.0	400.8	294.0	409.4
GR	292.0	416.6	284.0	497.4	282.0	524.4	282.0	589.9	284.0	597.7
GR	286.0	637.8	288.0	649.2	290.0	1193.1	292.0	1208.4	294.0	1225.6
GR	296.0	1239.8	298.0	1254.6	300.0	1263.4	302.0	1271.5	302.0	1277.6
GR	300.0	1286.7	298.0	1294.6	296.0	1302.7	294.0	1320.7	292.0	1331.1
GR	290.0	1339.6	282.0	1363.6	282.0	1400.5	290.0	1412.3	300.0	1439.6
GR	306.0	1450.1	308.0	1483.3	306.0	1504.8	304.0	1515.9	302.0	1528.7
GR	302.0	1778.9	304.0	1792.9	306.0	1798.8	306.0	1873.0	304.0	1879.5
GR	304.0	1911.4	305.0	1930.0	310.0	2125.0	315.0	2430.0	320.0	2620.0
GR	328.0	2720.0								
NC	0	0	0	0.1	0.3					
NH	3	0.04	744.3	0.08	1725.4	0.04	3120.0			
ET		0	8.1					410	1990	
X1	170	42.0	1483.2	1544.1	325.0	315.0	320.0			
GR	320.0	164.6	318.0	193.5	316.0	222.9	314.0	243.0	312.0	266.0
GR	310.0	289.5	308.0	311.8	306.0	336.8	304.0	354.7	302.0	384.8
GR	300.0	407.7	298.0	429.7	296.0	457.8	294.0	489.8	292.0	530.3
GR	290.0	535.9	288.0	569.7	286.0	744.3	284.0	761.0	282.0	772.2
GR	282.0	813.9	284.0	822.3	286.0	830.3	288.0	842.6	290.0	867.5
GR	292.0	977.6	292.0	1483.2	290.0	1487.1	284.0	1504.3	284.0	1529.0
GR	290.0	1544.1	292.0	1725.4	294.0	1819.8	296.0	1883.7	298.0	1988.6
GR	300.0	2050.0	300.0	2200.0	305.0	2400.0	310.0	2630.0	310.0	2680.0
GR	315.0	2880.0	320.0	3120.0						
NH	4	0.04	608.0	0.03	1109.0	0.08	1759.0	0.04	2935.0	
ET		0	8.1					485	1940	
X1	180	35.0	1530.0	1759.0	529.0	570.0	550.0			
GR	324.0	208.3	322.0	247.9	320.0	282.2	318.0	313.0	316.0	344.4
GR	314.0	371.7	310.0	415.0	300.0	531.0	290.0	608.0	288.0	647.0
GR	286.0	703.0	286.0	1032.0	288.0	1053.0	290.0	1109.0	292.0	1308.0
GR	292.0	1530.0	290.0	1603.0	288.0	1627.0	286.0	1640.0	286.0	1743.0
GR	288.0	1750.0	290.0	1759.0	296.0	1772.0	298.0	1800.0	296.0	1827.0
GR	296.0	1884.0	298.0	1887.0	300.0	1962.0	300.0	2380.0	305.0	2390.0
GR	300.0	2440.0	305.0	2500.0	310.0	2570.0	315.0	2850.0	320.0	2935.0

NH	4	0.04	508.2	0.03	1455.3	0.08	1827.3	0.04	2950.0	
ET		0	8.1					470	1920	
X1	190	52	1576.3	1809.7	505.0	505.0	505.0			
GR	322.0	35.0	320.0	61.0	318.0	85.0	316.0	135.7	314.0	193.6
GR	312.0	243.3	310.0	277.0	310.0	339.0	310.0	407.4	308.0	424.7
GR	306.0	438.4	304.0	449.2	302.0	457.0	300.0	466.5	298.0	472.3
GR	296.0	500.5	294.0	508.2	292.0	518.3	290.0	524.8	288.0	531.3
GR	286.0	540.8	286.0	978.3	286.0	1036.5	286.0	1374.7	288.0	1391.0
GR	290.0	1413.5	292.0	1428.0	294.0	1443.6	296.0	1455.3	296.0	1576.3
GR	294.0	1586.7	292.0	1592.6	290.0	1603.2	288.0	1646.1	286.0	1668.1
GR	286.0	1706.0	286.0	1711.1	286.0	1798.8	288.0	1804.1	290.0	1809.7
GR	300.0	1827.3	302.0	1830.0	304.0	1891.2	306.0	1927.1	308.0	1932.4
GR	308.0	1936.0	306.0	1942.7	306.0	1952.2	310.0	2150.0	315.0	2380.0
GR	320.0	2750.0	325.0	2950.0						
NH	3	0.04	459.2	0.125	1599.5	0.04	2585.0			
ET		0	8.1					370	1975	
X1	200	57.0	1439.7	1562.7	720.0	750.0	740.0			
GR	320.0	25.0	318.0	95.0	316.0	152.8	314.0	197.7	312.0	232.1
GR	310.0	257.8	308.0	284.8	306.0	307.0	304.0	333.7	302.0	359.3
GR	300.0	383.4	298.0	415.9	296.0	429.0	294.0	459.2	292.0	478.2
GR	290.0	484.7	288.0	492.8	286.0	975.5	286.0	1006.1	286.0	1203.4
GR	286.0	1406.9	288.0	1416.2	290.0	1423.8	292.0	1430.8	294.0	1434.3
GR	296.0	1439.7	296.0	1463.1	294.0	1466.8	292.0	1469.6	290.0	1474.0
GR	286.0	1482.4	286.0	1532.8	288.0	1548.0	290.0	1554.3	292.0	1558.1
GR	294.0	1562.7	296.0	1567.3	298.0	1570.1	300.0	1574.3	300.0	1585.0
GR	296.0	1593.3	294.0	1599.5	294.0	1637.4	294.0	1665.6	294.0	1695.5
GR	296.0	1771.3	296.0	1775.4	294.0	1779.7	294.0	1907.5	296.0	1914.0
GR	298.0	1918.9	300.0	1923.5	302.0	1929.2	305.0	2000.0	310.0	2300.0
GR	315.0	2490.0	320.0	2585.0						
NH	3	0.04	465.0	0.125	1479.2	0.04	2610.0			
ET		0	8.1					400	2100	
X1	209	47	1233.4	1479.2	430.0	365.0	390.0			
GR	320.0	40.0	318.0	95.0	316.0	140.4	314.0	213.9	312.0	238.5
GR	310.0	249.4	308.0	258.8	308.0	278.4	308.0	306.3	306.0	357.7
GR	304.0	383.3	302.0	436.4	300.0	460.0	298.0	465.0	296.0	473.7
GR	294.0	492.3	292.0	514.5	290.0	554.4	288.0	673.2	286.0	779.3
GR	286.0	1081.2	288.0	1151.0	290.0	1166.1	292.0	1186.0	294.0	1203.7
GR	296.0	1225.8	298.0	1233.4	298.0	1266.3	296.0	1274.8	294.0	1280.7
GR	292.0	1291.8	290.0	1309.1	288.0	1316.7	286.0	1323.7	286.0	1437.3
GR	288.0	1458.5	290.0	1465.4	292.0	1471.5	294.0	1479.2	296.0	1655.4
GR	298.0	1934.4	300.0	2100.0	305.0	2325.0	310.0	2510.0	315.0	2540.0
GR	320.0	2550.0	325.0	2610.0						
NH	3	0.04	465.0	0.125	1479.2	0.04	2610.0			
ET		0	8.1					400	2100	
X1	210	35	1233.4	1479.2	10.0	10.0	10.0			
GR	320.0	40.0	318.0	95.0	316.0	140.4	314.0	213.9	312.0	238.5
GR	310.0	249.4	308.0	258.8	308.0	278.4	308.0	306.3	306.0	357.7
GR	304.0	383.3	302.0	436.4	300.0	460.0	298.0	465.0	298.0	1233.4
GR	298.0	1266.3	296.0	1274.8	294.0	1280.7	292.0	1291.8	290.0	1309.1
GR	288.0	1316.7	286.0	1323.7	286.0	1437.3	288.0	1458.5	290.0	1465.4

GR	292.0	1471.5	294.0	1479.2	296.0	1655.4	298.0	1934.4	300.0	2100.0
GR	305.0	2325.0	310.0	2510.0	315.0	2540.0	320.0	2550.0	325.0	2610.0
NH	3	0.04	465.0	0.125	1479.2	0.04	2610.0			
ET		0	8.1					400	2100	
X1	211	47	1233.4	1479.2	10.0	10.0	10.0			
GR	320.0	40.0	318.0	95.0	316.0	140.4	314.0	213.9	312.0	238.5
GR	310.0	249.4	308.0	258.8	308.0	278.4	308.0	306.3	306.0	357.7
GR	304.0	383.3	302.0	436.4	300.0	460.0	298.0	465.0	296.0	473.7
GR	294.0	492.3	292.0	514.5	290.0	554.4	288.0	673.2	286.0	779.3
GR	286.0	1081.2	288.0	1151.0	290.0	1166.1	292.0	1186.0	294.0	1203.7
GR	296.0	1225.8	298.0	1233.4	298.0	1266.3	296.0	1274.8	294.0	1280.7
GR	292.0	1291.8	290.0	1309.1	288.0	1316.7	286.0	1323.7	286.0	1437.3
GR	288.0	1458.5	290.0	1465.4	292.0	1471.5	294.0	1479.2	296.0	1655.4
GR	298.0	1934.4	300.0	2100.0	305.0	2325.0	310.0	2510.0	315.0	2540.0
GR	320.0	2550.0	325.0	2610.0						
NC	0.04	0.04	0.20							
ET		0	8.1					515	2100	
X1	220	41	745.8	1065.0	830.0	770.0	810.0			
GR	322.0	150.4	320.0	203.3	318.0	243.5	316.0	285.0	314.0	322.2
GR	312.0	347.7	310.0	374.4	308.0	400.2	306.0	431.4	304.0	465.2
GR	302.0	485.6	300.0	510.2	298.0	524.9	298.0	574.3	298.0	584.8
GR	296.0	651.5	294.0	736.3	292.0	745.8	290.0	809.7	288.0	832.4
GR	288.0	990.1	290.0	1026.9	292.0	1065.0	294.0	1377.8	296.0	1394.0
GR	298.0	1420.2	298.0	1493.8	298.0	1539.1	298.0	1562.9	298.0	1687.3
GR	298.0	1757.3	298.0	1873.0	298.0	1920.0	298.0	1964.6	300.0	2085.9
GR	302.0	2110.3	304.0	2117.1	306.0	2174.7	308.0	2188.1	315.0	2330.0
GR	320.0	2390.0								
NC	0.04	0.04	0.20							
ET		6.1	8.1			825.0	2050.0	825	2000	
X1	230	45.0	941.1	1142.7	465.0	505.0	490.0			
GR	330.0	101.0	328.0	152.6	326.0	218.4	324.0	300.8	322.0	348.6
GR	320.0	387.2	318.0	451.4	316.0	496.5	314.0	545.0	312.0	593.3
GR	310.0	634.8	308.0	671.1	306.0	723.4	304.0	811.3	302.0	829.7
GR	300.0	865.9	298.0	889.4	296.0	902.0	294.0	939.5	292.0	941.1
GR	290.0	955.7	288.0	1002.9	288.0	1074.8	290.0	1090.0	292.0	1142.7
GR	294.0	1280.3	294.0	1427.1	294.0	1543.5	296.0	1559.7	298.0	1575.7
GR	298.0	1826.4	298.0	1844.4	298.0	2021.3	298.0	2061.1	300.0	2083.4
GR	302.0	2094.8	304.0	2109.5	306.0	2146.5	308.0	2209.0	310.0	2253.9
GR	312.0	2329.1	314.0	2373.7	316.0	2415.5	316.0	2439.6	318.0	2450.0
NC	0.04	0.04	0.20							
ET		6.1	8.1			2370.0	3040.0	2370.0	3040.0	
X1	239	36	2398.5	2724.4	400.0	440.0	420.0			
GR	326.0	1750.0	324.0	1802.0	322.0	1870.0	320.0	1920.0	318.0	2005.0
GR	316.0	2080.0	314.0	2125.5	312.0	2165.8	310.0	2233.3	308.0	2269.5
GR	306.0	2294.3	304.0	2331.7	302.0	2347.4	300.0	2357.7	298.0	2367.2
GR	296.0	2385.3	294.0	2398.5	292.0	2401.7	290.0	2404.4	290.0	2656.3
GR	292.0	2715.8	294.0	2724.4	296.0	2731.5	298.0	2742.2	298.0	2758.1
GR	296.0	2827.0	296.0	2869.3	298.0	2999.5	298.0	3198.0	298.0	3387.9
GR	300.0	3450.9	310.0	3495.2	320.0	3518.9	322.0	3522.4	324.0	3525.4
GR	326.0	3527.8								

NC	0.04	0.04	0.20							
ET		0	8.1					2517.0	3011	
X1	240	65	2519.3	3031.9	195.0	255.0	230.0			
GR	330.0	1682.0	328.0	1750.0	326.0	1805.0	324.0	1860.0	322.0	1920.0
GR	320.0	1980.0	318.0	2060.0	316.0	2139.9	314.0	2194.2	312.0	2259.3
GR	312.0	2339.4	312.0	2505.0	310.0	2508.9	308.0	2515.1	306.0	2519.3
GR	304.0	2524.1	302.0	2530.1	300.0	2533.9	298.0	2537.2	296.0	2540.2
GR	294.0	2543.1	292.0	2549.3	291.0	2584.8	291.0	2591.8	290.0	2668.2
GR	290.0	2675.2	290.0	2751.5	290.0	2758.5	290.0	2834.8	290.0	2841.8
GR	291.0	2918.2	291.0	2925.2	292.0	2934.7	294.0	2939.9	296.0	2954.4
GR	296.0	2977.8	296.0	2999.2	300.0	3001.9	306.0	3004.5	310.0	3031.9
GR	311.0	3036.7	312.0	3041.5	314.0	3074.7	310.0	3080.0	310.0	3180.0
GR	310.0	3238.5	320.0	3430.4	322.0	3475.0	324.0	3592.2	326.0	3677.8
GR	328.0	3684.3	328.0	3733.7	326.0	3788.3	324.0	3847.3	322.0	3883.8
GR	320.0	3953.1	318.0	4017.4	318.0	4167.3	320.0	4201.2	322.0	4225.0
GR	324.0	4239.0	326.0	4260.1	328.0	4274.0	330.0	4291.5	328.0	4386.5
NC	0.03	0.03	0.04	0.3	0.5					
ET		0	8.1					2518	3010	
	MAST BLVD BRIDGE		(NORMAL BRIDGE ROUTINE)							
X1	242	57	2519.3	3031.9	10	10	10			
BT	-31	2339.4	312.0	312.0	2505.0	315.0	311.5	2584.8	315.0	311.5
BT		2584.8	315.0	291.0	2591.8	315.0	291.0	2591.8	315.0	311.5
BT		2668.2	315.0	311.5	2668.2	315.0	290.0	2675.2	315.0	290.0
BT		2675.2	315.0	311.5	2751.5	315.0	311.5	2751.5	315.0	290.0
BT		2758.5	315.0	290.0	2758.5	315.0	311.5	2834.8	315.0	311.5
BT		2834.8	315.0	290.0	2841.8	315.0	290.0	2841.8	315.0	311.5
BT		2918.2	315.0	311.5	2918.2	315.0	291.0	2925.2	315.0	291.0
BT		2925.2	315.0	311.5	3004.5	315.0	311.5	3004.5	315.0	306.0
BT		3031.9	315.0	310.0	3036.7	315.0	311.0	3041.5	315.1	312.0
BT		3074.7	315.5	314.0	3080.0	315.6	310.0	3238.5	317.6	310.0
BT		3350.0	320.0	320.0						
GR	330.0	1682.0	328.0	1750.0	326.0	1805.0	324.0	1860.0	322.0	1920.0
GR	320.0	1960.0	318.0	2020.0	316.0	2090.0	314.0	2170.0	312.0	2339.4
GR	312.0	2505.0	310.0	2508.9	308.0	2515.1	306.0	2519.3	304.0	2524.1
GR	302.0	2530.1	300.0	2533.9	298.0	2537.2	296.0	2540.2	294.0	2543.1
GR	292.0	2549.3	291.0	2584.8	291.0	2591.8	290.0	2668.2	290.0	2675.2
GR	290.0	2751.5	290.0	2758.5	290.0	2834.8	290.0	2841.8	291.0	2918.2
GR	291.0	2925.2	292.0	2934.7	294.0	2939.9	296.0	2954.4	296.0	2977.8
GR	296.0	2999.2	300.0	3001.9	306.0	3004.5	310.0	3031.9	311.0	3036.7
GR	312.0	3041.5	314.0	3074.7	310.0	3080.0	310.0	3180.0	310.0	3238.5
GR	320.0	3350.0	322.0	3415.0	324.0	3490.0	326.0	3590.0	328.0	3750.0
GR	328.0	3860.0	326.0	3970.0	324.0	4040.0	324.0	4210.0	326.0	4270.0
GR	328.0	4325.0	330.0	4380.0						
NC	0.03	0.03	0.04							
ET		0	8.1					2518	3010	
X1	243	58	2480.0	3001.9	65.0	65.0	65.0			
BT	-31	2339.4	312.0	312.0	2505.0	315.0	311.5	2584.8	315.0	311.5
BT		2584.8	315.0	291.0	2591.8	315.0	291.0	2591.8	315.0	311.5
BT		2668.2	315.0	311.5	2668.2	315.0	290.0	2675.2	315.0	290.0
BT		2675.2	315.0	311.5	2751.5	315.0	311.5	2751.5	315.0	290.0
BT		2758.5	315.0	290.0	2758.5	315.0	311.5	2834.8	315.0	311.5

BT		2834.8	315.0	290.0	2841.8	315.0	290.0	2841.8	315.0	311.5
BT		2918.2	315.0	311.5	2918.2	315.0	291.0	2925.2	315.0	291.0
BT		2925.2	315.0	311.5	3004.5	315.0	311.5	3004.5	315.0	306.0
BT		3031.9	315.0	310.0	3036.7	315.0	311.0	3041.5	315.1	312.0
BT		3074.7	315.5	314.0	3080.0	315.6	310.0	3238.5	317.6	310.0
BT		3350.0	320.0	320.0						
GR	330.0	1682.0	328.0	1750.0	326.0	1805.0	324.0	1860.0	322.0	1920.0
GR	320.0	1960.0	318.0	2020.0	316.0	2090.0	314.0	2170.0	312.0	2339.4
GR	313.0	2480.0	312.0	2505.0	310.0	2508.9	308.0	2515.1	306.0	2519.3
GR	304.0	2524.1	302.0	2530.1	300.0	2533.9	298.0	2537.2	296.0	2540.2
GR	294.0	2543.1	292.0	2549.3	291.0	2584.8	291.0	2591.8	290.0	2668.2
GR	290.0	2675.2	290.0	2751.5	290.0	2758.5	290.0	2834.8	290.0	2841.8
GR	291.0	2918.2	291.0	2925.2	292.0	2934.7	294.0	2939.9	296.0	2954.4
GR	296.0	2977.8	296.0	2999.2	300.0	3001.9	306.0	3004.5	310.0	3031.9
GR	311.0	3036.7	312.0	3041.5	314.0	3074.7	310.0	3080.0	310.0	3180.0
GR	310.0	3238.5	320.0	3350.0	322.0	3415.0	324.0	3490.0	326.0	3590.0
GR	328.0	3750.0	328.0	3860.0	326.0	3970.0	324.0	4040.0	324.0	4210.0
GR	326.0	4270.0	328.0	4325.0	330.0	4380.0				
NC	0.04	0.055	0.14							
ET		0	8.1					2560.0	3070.0	
X1	244	64	2550.5	3075.6	10	10	10			
GR	330.0	1720.0	328.0	1730.0	326.0	1750.0	324.0	1765.0	322.0	1800.0
GR	320.0	1940.0	318.0	1980.0	316.0	2020.0	314.0	2050.0	312.0	2111.7
GR	310.0	2149.8	310.0	2157.7	310.0	2251.0	310.0	2267.6	312.0	2320.7
GR	314.0	2518.2	314.0	2535.4	312.0	2545.0	312.0	2546.4	310.0	2550.5
GR	308.0	2557.6	306.0	2562.4	304.0	2568.1	302.0	2573.4	300.0	2579.0
GR	298.0	2585.3	296.0	2593.3	294.0	2609.6	293.0	2637.6	293.0	2644.6
GR	292.0	2688.9	292.0	2721.0	292.0	2728.0	291.0	2804.3	291.0	2811.3
GR	291.0	2887.6	291.0	2894.6	290.0	2971.0	290.0	2978.0	290.0	3005.0
GR	292.0	3010.4	294.0	3039.7	296.0	3046.7	298.0	3051.9	300.0	3058.0
GR	310.0	3075.6	312.0	3078.7	316.0	3088.0	318.0	3283.0	320.0	3382.0
GR	310.0	3647.0	320.0	3685.0	328.0	3700.0	328.0	3800.0	328.0	3810.0
GR	326.0	3878.0	324.0	3883.0	322.0	3888.0	320.0	3945.0	318.0	4015.0
GR	316.0	4050.0	318.0	4125.0	320.0	4200.0	336.0	4520.0		
NC	0.04	0.055	0.14							
ET		6.1	8.1			100.0	1515.0	760.0	1410.0	
X1	245	55.0	928.4	1396.3	210.0	200.0	165.0			
GR	330.0	158.8	328.0	203.0	326.0	244.5	324.0	276.7	322.0	313.6
GR	320.0	380.0	318.0	410.8	316.0	447.3	314.0	493.0	312.0	535.8
GR	308.0	648.8	306.0	693.5	304.0	735.4	302.0	760.3	298.0	776.5
GR	296.0	786.2	294.0	816.6	292.0	928.4	290.0	1067.4	290.0	1374.2
GR	292.0	1396.3	294.0	1408.0	296.0	1451.6	298.0	1461.4	298.0	1492.8
GR	296.0	1508.5	296.0	1527.0	298.0	1536.0	300.0	1591.3	300.0	1591.9
GR	300.0	1612.0	302.0	1617.0	304.0	1625.9	306.0	1648.9	308.0	1670.8
GR	310.0	1676.4	310.0	1678.4	308.0	1692.3	306.0	1707.5	304.0	1734.3
GR	302.0	1771.4	302.0	1833.7	304.0	1856.0	306.0	1865.7	308.0	1878.7
GR	310.0	1886.9	312.0	1891.3	314.0	1927.9	316.0	1936.3	318.0	1942.1
GR	320.0	1950.0	330.0	1962.9	332.0	1971.6	332.0	2064.2	330.0	2076.3

NC	0	0	0	0.1	0.3					
NH	4	0.125	2050.0	.04	2550.8	0.14	2947.3	0.055	3701.7	
ET			8.1					2400	3310.0	
X1	250	52	2566.7	2740.6	705.0	790.0	740.0			
GR	330.0	1762.0	328.0	1791.0	326.0	1829.0	324.0	1887.0	322.0	1980.0
GR	320.0	2050.0	318.0	2153.8	316.0	2187.3	314.0	2194.5	312.0	2244.8
GR	310.0	2282.9	308.0	2358.3	306.0	2411.1	304.0	2450.5	302.0	2460.8
GR	300.0	2470.2	298.0	2478.8	296.0	2550.8	294.0	2566.7	294.0	2567.0
GR	292.0	2570.7	290.0	2677.6	290.0	2719.3	292.0	2733.9	294.0	2740.6
GR	294.0	2740.7	296.0	2760.8	296.0	2947.3	296.0	2972.9	294.0	3000.5
GR	294.0	3022.9	296.0	3054.0	298.0	3089.0	300.0	3130.4	300.0	3144.4
GR	298.0	3185.1	296.0	3192.7	296.0	3221.8	298.0	3249.3	296.0	3439.1
GR	298.0	3444.5	300.0	3452.9	302.0	3468.9	304.0	3495.0	306.0	3516.7
GR	308.0	3536.0	310.0	3542.2	320.0	3564.9	328.0	3580.4	330.0	3586.6
GR	330.0	3657.8	328.0	3701.7						
NH	5	0.125	2162.1	0.06	2323.9	0.14	2544.6	0.055	3145.9	0.125
NH	3432.0									
ET		0	8.1					2340	2950.0	
X1	260	50	2375.2	2544.6	1035.0	1020.0	1025.0			
GR	330.0	1180.0	325.0	1530.0	322.0	1660.0	320.0	1700.0	318.0	1850.0
GR	316.0	2025.0	314.0	2030.0	312.0	2162.1	312.0	2242.9	312.0	2273.9
GR	310.0	2323.9	308.0	2334.9	306.0	2346.8	304.0	2353.6	302.0	2368.8
GR	300.0	2375.2	298.0	2409.3	296.0	2425.8	294.0	2436.4	294.0	2436.7
GR	294.0	2480.1	294.0	2480.2	296.0	2491.6	298.0	2530.6	300.0	2544.6
GR	302.0	2601.0	302.0	2634.8	302.0	2684.7	302.0	2743.0	300.0	2774.6
GR	298.0	2795.7	298.0	2809.3	298.0	2825.2	298.0	2856.1	300.0	2866.4
GR	302.0	2905.5	304.0	2921.1	306.0	2962.3	308.0	2975.8	310.0	3014.6
GR	312.0	3039.4	314.0	3096.0	316.0	3124.5	318.0	3131.9	320.0	3140.0
GR	322.0	3142.8	324.0	3145.9	324.0	3266.1	324.0	3330.0	326.0	3432.0
QT	2	49000	49000							
NH	5	0.125	2125.8	0.06	2393.6	0.14	2678.6	0.055	3249.6	0.125
NH	3555.0									
ET		0	8.1					2270	2990	
X1	270	44	2509.5	2678.6	985.0	930.0	965.0			
GR	330.0	1280.0	325.0	1480.0	320.0	1600.0	318.0	1669.0	316.0	1755.0
GR	314.0	1945.0	312.0	2125.8	310.0	2228.0	310.0	2393.6	308.0	2417.3
GR	306.0	2450.5	302.0	2477.3	300.0	2509.5	298.0	2526.5	298.0	2592.8
GR	300.0	2630.4	304.0	2678.6	304.0	2720.6	302.0	2739.0	300.0	2802.1
GR	300.0	2883.1	300.0	2900.1	298.0	2906.1	298.0	2961.0	300.0	2970.1
GR	308.0	2994.6	310.0	3071.9	312.0	3096.3	314.0	3142.5	316.0	3164.8
GR	316.0	3178.8	316.0	3229.5	318.0	3233.8	320.0	3239.2	322.0	3249.6
GR	322.0	3347.9	320.0	3371.3	320.0	3373.7	320.0	3377.1	322.0	3435.0
GR	324.0	3544.0	326.0	3549.0	328.0	3551.0	330.0	3555.0		
NH	5	0.125	388.0	0.06	548.0	0.14	1290.0	0.055	2038.0	0.125
NH	2380.0									
ET		0	8.1					560	1890.0	

X1	280	49	958.0	1060.0	1045.0	1030.0	1040.0			
GR	328.0	118.0	326.0	195.0	324.0	255.0	322.0	310.0	320.0	388.0
GR	318.0	455.0	316.0	493.0	314.0	498.0	312.0	503.0	310.0	520.0
GR	308.0	548.0	306.0	950.0	306.0	958.0	300.0	977.0	300.0	1030.0
GR	302.0	1038.0	304.0	1043.0	306.0	1060.0	306.0	1242.0	304.0	1290.0
GR	304.0	1340.0	302.0	1370.0	304.0	1385.0	306.0	1408.0	306.0	1432.0
GR	304.0	1502.0	304.0	1570.0	306.0	1635.0	306.0	1665.0	304.0	1690.0
GR	302.0	1800.0	300.0	1830.0	300.0	1850.0	302.0	1855.0	304.0	1862.0
GR	306.0	1933.0	308.0	1995.0	310.0	2005.0	312.0	2010.0	314.0	2019.0
GR	316.0	2030.0	318.0	2038.0	318.0	2170.0	320.0	2211.0	322.0	2219.0
GR	324.0	2232.0	326.0	2300.0	328.0	2360.0	330.0	2380.0		
NC	0.06	0.055	0.14							
ET		0	8.1					525	2015.0	
X1	285	51	706.6	792.2	665.0	680.0	670.0			
GR	325.8	0.0	324.0	111.4	322.0	204.5	318.0	284.9	316.0	402.4
GR	314.0	406.6	312.0	564.3	308.0	625.5	306.0	706.6	304.0	713.6
GR	302.0	721.9	302.0	768.4	304.0	774.6	304.0	774.8	306.0	783.7
GR	310.0	792.2	310.0	820.3	306.0	831.0	304.0	909.5	306.0	1062.5
GR	306.0	1231.8	306.0	1288.1	308.0	1337.2	310.0	1352.2	312.0	1376.4
GR	312.0	1405.7	310.0	1409.6	308.0	1512.8	308.0	1601.1	308.0	1616.3
GR	306.0	1785.5	304.0	1816.6	304.0	1841.7	306.0	1982.3	308.0	1993.1
GR	310.0	2008.2	312.0	2039.8	314.0	2079.9	316.0	2135.9	318.0	2157.1
GR	320.0	2174.6	322.0	2204.7	324.0	2220.1	326.0	2227.3	328.0	2237.7
GR	330.0	2241.4	332.0	2247.8	334.0	2257.8	336.0	2266.8	338.0	2277.9
GR	340.0	2307.8								
NC	0.04	0.055	0.14							
ET		0	8.1					2560	4154.0	
X1	290	81	2655.1	2758.9	645.0	645.0	645.0			
GR	330.0	1550.0	328.0	1610.0	326.0	1680.0	324.0	1757.0	322.0	1830.0
GR	320.0	1890.0	320.0	2050.0	318.0	2222.0	316.0	2230.2	316.0	2237.9
GR	318.0	2241.4	318.0	2290.7	316.0	2324.5	314.0	2341.2	312.0	2393.6
GR	312.0	2459.9	312.0	2477.7	310.0	2544.8	308.0	2655.1	306.0	2672.8
GR	304.0	2682.0	302.0	2691.9	302.0	2719.3	304.0	2741.6	304.0	2741.8
GR	306.0	2745.0	308.0	2747.9	310.0	2758.9	308.0	2834.0	308.0	2864.6
GR	310.0	2932.1	310.0	2951.1	310.0	2962.7	310.0	2968.0	308.0	3040.7
GR	308.0	3091.2	310.0	3099.7	310.0	3116.1	308.0	3135.0	308.0	3243.2
GR	310.0	3252.7	312.0	3259.7	314.0	3266.2	316.0	3270.9	318.0	3279.1
GR	320.0	3297.7	318.0	3309.3	316.0	3322.4	314.0	3334.8	312.0	3346.4
GR	310.0	3359.6	308.0	3411.2	306.0	3446.4	308.0	3646.0	310.0	3700.6
GR	314.0	3730.0	314.0	3744.6	312.0	3754.3	310.0	3798.3	308.0	3810.6
GR	310.0	4077.9	312.0	4133.1	314.0	4137.9	316.0	4157.2	318.0	4169.3
GR	320.0	4258.6	322.0	4307.3	324.0	4323.7	326.0	4340.8	328.0	4352.3
GR	330.0	4377.5	332.0	4385.1	334.0	4419.5	336.0	4492.5	338.0	4512.0
GR	340.0	4563.8	342.0	4650.1	344.0	4715.6	346.0	4746.7	348.0	4761.2
GR	348.0	4861.4								
NH	5	0.125	2037.0	0.04	2536.2	0.14	2749.7	0.055	4600.0	0.125
NH	4970.0									
ET		6.1	8.1			2340.0	4140.0	2540	4014.0	

X1	300	80	2536.2	2708.7	655.0	670.0	660.0			
GR	330.0	1520.0	328.0	1596.0	326.0	1600.0	324.0	1750.0	322.0	1759.0
GR	320.0	2037.0	318.0	2261.7	316.0	2362.4	314.0	2425.6	312.0	2536.2
GR	308.0	2597.1	306.0	2620.7	306.0	2648.3	308.0	2667.9	312.0	2686.7
GR	314.0	2708.7	314.0	2749.7	312.0	2772.3	310.0	2798.1	308.0	2823.3
GR	308.0	2917.1	308.0	2989.5	308.0	3029.4	308.0	3049.3	308.0	3090.7
GR	308.0	3096.6	310.0	3151.2	312.0	3254.8	312.0	3258.8	312.0	3289.5
GR	312.0	3415.7	314.0	3465.6	316.0	3469.2	318.0	3471.7	318.0	3481.0
GR	316.0	3491.1	314.0	3500.1	314.0	3528.6	316.0	3536.7	318.0	3545.1
GR	320.0	3548.4	322.0	3554.1	322.0	3569.0	320.0	3574.4	318.0	3584.7
GR	316.0	3594.2	314.0	3607.1	312.0	3618.5	312.0	3634.5	312.0	3736.6
GR	312.0	3852.4	312.0	3897.2	310.0	3904.3	308.0	3907.9	308.0	3966.7
GR	312.0	4002.1	314.0	4006.7	316.0	4010.8	318.0	4022.5	320.0	4028.6
GR	320.0	4053.6	320.0	4083.9	320.0	4114.5	320.0	4148.3	320.0	4199.1
GR	318.0	4210.5	316.0	4222.5	316.0	4260.1	318.0	4362.2	320.0	4437.5
GR	322.0	4445.4	324.0	4453.2	326.0	4461.8	326.0	4472.2	324.0	4481.0
GR	324.0	4600.0	324.0	4750.0	326.0	4875.0	328.0	4955.0	330.0	4970.0
NC	0.04	0.055	0.14							
ET		6.1	8.1			2460.0	4230.0	2650	4000.0	
	CONFLUENCE WITH SYCAMORE CREEK									
X1	310	60	2698.4	2822.3	620.0	600.0	610.0			
GR	330.0	1530.0	328.0	1565.0	326.0	1682.0	324.0	2100.0	324.0	2102.5
GR	322.0	2202.8	320.0	2315.0	320.0	2355.0	318.0	2455.0	316.0	2580.0
GR	314.0	2698.4	312.0	2738.8	310.0	2752.5	308.0	2761.7	308.0	2773.1
GR	310.0	2793.7	312.0	2798.9	314.0	2811.2	316.0	2822.3	316.0	2833.7
GR	314.0	2843.4	312.0	2851.5	310.0	2944.2	310.0	2978.5	310.0	3016.0
GR	310.0	3032.5	312.0	3085.0	312.0	3099.4	312.0	3160.0	312.0	3297.0
GR	312.0	3324.1	312.0	3343.1	310.0	3422.3	310.0	3422.5	312.0	3462.6
GR	312.0	3549.5	312.0	3553.5	314.0	3569.6	312.0	3686.9	310.0	3695.8
GR	308.0	3710.0	308.0	4070.0	310.0	4130.0	312.0	4191.2	314.0	4198.4
GR	316.0	4207.2	318.0	4215.0	320.0	4234.2	318.0	4662.2	316.0	4670.3
GR	316.0	4679.2	318.0	4685.6	320.0	4801.6	320.0	4805.3	320.0	4906.2
GR	322.0	5240.0	324.0	5415.0	326.0	5650.0	328.0	6065.0	330.0	6240.0
NC	0.04	0.055	0.14							
ET		6.1	8.1			950.0	2300.0	1030.0	2150.0	
	CONFLUENCE WITH FORRESTER CREEK									
X1	320	43	988.7	1300.0	665.0	840.0	750.0			
GR	328.0	180.8	328.0	185.1	328.0	185.1	326.0	192.2	326.0	192.2
GR	324.0	205.3	322.0	220.2	322.0	224.7	320.0	234.1	318.0	251.7
GR	316.0	282.5	314.0	309.3	312.0	454.2	316.0	680.0	310.0	730.0
GR	318.0	765.0	318.0	968.3	316.0	988.7	314.0	1009.1	312.0	1023.2
GR	310.0	1060.0	310.0	1115.0	312.0	1300.0	316.0	1477.9	314.0	1512.5
GR	314.0	1669.5	316.0	1785.6	316.0	1960.5	316.0	2203.0	316.0	2220.5
GR	318.0	2265.2	320.0	2274.9	322.0	2286.6	324.0	2288.4	326.0	2292.2
GR	326.0	2358.1	324.0	2396.8	324.0	2423.1	324.0	2449.8	324.0	2697.0
GR	326.0	2905.0	328.0	3290.0	330.0	3865.0				

QT	2	48000	48000							
NC	0.06	0.06	0.085							
ET		6.1	8.1			1280.0	2300.0	1370	2250.0	
X1	330	53.0	1760.0	1917.0	870.0	700.0	780.0			
GR	328.0	105.6	326.0	212.4	326.0	248.3	328.0	289.1	328.0	289.1
GR	328.0	336.2	328.0	336.2	326.0	339.6	324.0	358.2	322.0	490.2
GR	320.0	585.0	318.0	622.0	316.0	629.0	314.0	636.0	312.0	640.0
GR	312.0	679.0	314.0	682.1	316.0	686.2	318.0	689.7	320.0	693.1
GR	322.0	699.6	324.0	990.1	326.0	1003.5	328.0	1176.8	330.0	1185.3
GR	330.0	1278.5	328.0	1292.7	326.0	1316.0	324.0	1326.0	322.0	1332.0
GR	320.0	1340.0	318.0	1347.0	316.0	1352.0	314.0	1393.0	314.0	1760.0
GR	312.0	1770.0	312.0	1910.0	314.0	1917.0	316.0	1925.3	316.0	1929.3
GR	314.0	2113.3	316.0	2239.8	318.0	2264.8	320.0	2271.8	322.0	2278.2
GR	324.0	2283.0	326.0	2310.9	328.0	2319.4	330.0	2480.0	328.0	2492.6
GR	328.0	2590.5	330.0	2632.1	332.0	2667.4				
NC	0.06	0.06	0.085							
ET		6.1	8.1			1200.0	2180.0	1220	2180.0	
X1	340	58.0	1410.0	1843.2	520.0	505.0	505.0			
GR	326.0	129.4	326.0	194.9	324.0	207.9	322.0	368.5	320.0	374.7
GR	318.0	387.3	316.0	393.1	320.0	454.2	322.0	461.0	324.0	466.8
GR	326.0	493.4	326.0	583.0	326.0	668.9	326.0	685.7	326.0	728.0
GR	326.0	794.9	326.0	831.2	326.0	1049.6	326.0	1089.2	328.0	1122.7
GR	328.0	1171.1	326.0	1192.0	324.0	1221.3	322.0	1226.0	320.0	1233.0
GR	318.0	1245.0	316.0	1250.0	316.0	1391.0	318.0	1399.0	320.0	1410.0
GR	318.0	1433.0	316.0	1440.0	314.0	1450.0	312.0	1513.0	310.0	1528.0
GR	310.0	1548.0	310.0	1670.0	312.0	1690.0	314.0	1695.0	316.0	1705.0
GR	318.0	1843.2	318.0	1890.7	316.0	1903.5	314.0	1909.3	316.0	2190.0
GR	318.0	2199.2	320.0	2211.0	322.0	2219.6	324.0	2228.2	328.0	2260.3
GR	326.0	2261.5	330.0	2307.8	332.0	2363.1	332.0	2452.5	332.0	2466.5
GR	332.0	2507.3	332.0	2524.9	334.0	2579.9				
NC	0.06	0.06	0.085							
ET		6.1	8.1			1210.0	2270.0	1300	2270.0	
X1	345	71.0	1509.8	1995.5	320.0	250.0	280.0			
GR	328.0	121.6	328.0	195.4	328.0	197.1	328.0	205.9	326.0	217.1
GR	324.0	302.0	324.0	332.2	326.0	361.0	326.0	372.0	324.0	378.0
GR	322.0	383.8	320.0	391.6	320.0	438.3	322.0	442.1	324.0	445.2
GR	326.0	446.6	328.0	453.5	328.0	582.7	328.0	587.1	328.0	619.2
GR	328.0	630.9	328.0	855.7	326.0	989.7	326.0	1086.9	326.0	1148.5
GR	324.0	1188.9	322.0	1212.2	320.0	1312.0	318.0	1318.0	316.0	1330.0
GR	316.0	1445.0	318.0	1452.0	320.0	1490.1	322.0	1497.6	322.0	1509.8
GR	320.0	1515.6	316.0	1530.7	314.0	1582.0	314.0	1668.0	312.0	1783.0
GR	312.0	1834.0	314.0	1841.0	316.0	1851.0	318.0	1860.0	318.0	1934.1
GR	318.0	1966.8	320.0	1976.4	322.0	1986.7	324.0	1995.5	324.0	2065.9
GR	322.0	2086.6	320.0	2101.4	318.0	2107.1	316.0	2111.7	318.0	2265.9
GR	320.0	2279.5	320.0	2339.1	318.0	2355.0	318.0	2362.5	320.0	2373.9
GR	322.0	2384.1	324.0	2391.7	326.0	2422.8	328.0	2436.8	330.0	2448.2
GR	332.0	2567.8	332.0	2583.1	332.0	2692.6	334.0	2726.2	336.0	2767.6
GR	338.0	2808.6								

NC	0.06	0.06	0.085	0.3	0.5					
ET		6.1	8.1			1370.0	2370.0	1500	2370.0	
X1	355	44.0	1731.4	2253.8	275.0	295.0	285.0			
GR	328.1	132.4	328.1	151.4	322.0	174.5	328.0	407.0	330.0	527.2
GR	330.0	673.5	328.0	955.5	326.0	1275.4	324.0	1336.9	322.0	1491.7
GR	320.0	1530.6	320.0	1695.0	322.0	1702.4	322.0	1731.4	320.0	1735.2
GR	318.0	1738.1	316.0	1830.0	316.0	2035.0	314.0	2044.0	314.0	2075.0
GR	316.0	2088.0	318.0	2121.1	318.0	2175.9	318.0	2233.6	320.0	2240.9
GR	322.0	2253.8	322.0	2286.8	320.0	2302.5	318.0	2305.5	318.0	2416.9
GR	320.0	2429.4	322.0	2486.5	322.0	2527.9	320.0	2572.0	320.0	2633.9
GR	322.0	2656.8	324.0	2681.1	326.0	2773.1	328.0	2858.1	330.0	2956.9
GR	330.0	2974.1	332.0	2988.9	334.0	3095.7	334.0	3105.5		
NC	0.06	0.06	0.085							
ET		6.1	8.1			1340.0	2290.0	1520	2290	
X1	356	52.0	1836.0	2258.2	250.0	250.0	250.0			
X3	10									
GR	330.0	270.0	328.0	521.0	326.0	767.7	326.0	773.5	326.0	795.9
GR	326.0	805.9	326.0	961.7	324.0	1053.5	324.0	1110.4	324.0	1123.6
GR	324.0	1496.7	326.0	1678.4	326.0	1787.6	324.0	1794.7	322.0	1813.4
GR	320.0	1822.3	318.0	1829.3	316.0	1836.0	316.0	1864.3	317.0	1871.3
GR	318.0	1906.3	318.0	1913.3	318.0	1946.8	318.0	1956.8	318.0	1990.3
GR	318.0	1997.3	318.0	2032.3	318.0	2039.3	318.0	2074.3	318.0	2081.3
GR	316.0	2110.0	318.0	2114.8	318.0	2121.0	318.0	2124.8	318.0	2158.3
GR	318.0	2165.3	318.0	2200.3	318.0	2207.3	318.0	2242.3	319.0	2249.3
GR	320.0	2258.2	322.0	2267.5	324.0	2277.0	326.0	2278.4	328.0	2284.1
GR	328.0	2342.9	326.0	2455.2	326.0	2673.1	328.0	2756.9	330.0	2870.0
GR	332.0	3004.7	334.0	3069.9						
NC	0.06	0.03	0.04							
SB	0.9	1.6	2.75	0	450.0	77.0	3112.0	2	318.0	318.0
ET		6.11	8.11			1340.0	2300.0	1510	2300	
	CARLTON HILLS BLVD BRIDGE (SPECIAL BRIDGE ROUTINE)									
X1	358	45	1850.0	2278.4	65.0	65.0	65.0			
X2	0	0	1	326.0	324.0	0	0	0	0	0
X3	10	0	0	0	0	0	0	0	0	0
BT	-15	430.0	328.0	328.0	780.0	326.0	326.0	1090.0	324.0	324.0
BT		1496.7	324.0	324.0	1678.4	327.0	326.0	1787.6	328.9	326.0
BT		2278.4	329.0	326.0	2284.1	328.9	328.0	2342.9	328.0	328.0
BT		2490.0	326.0	326.0	2640.1	326.0	326.0	2756.9	328.0	328.0
BT		2870.0	330.0	330.0	3030.0	332.0	332.0	3110.0	334.0	334.0
GR	328.0	430.0	326.0	780.0	324.0	1090.0	324.0	1496.7	326.0	1678.4
GR	326.0	1787.6	324.0	1794.7	322.0	1813.4	320.0	1822.3	318.0	1829.3
GR	316.0	1850.0	316.0	1864.3	317.0	1871.3	317.0	1906.3	318.0	1913.3
GR	318.0	1946.8	318.0	1956.8	318.0	1990.3	318.0	1997.3	318.0	2032.3
GR	318.0	2039.3	318.0	2074.3	318.0	2081.3	316.0	2110.0	318.0	2114.8
GR	318.0	2121.0	318.0	2124.8	318.0	2158.3	318.0	2165.3	318.0	2200.3
GR	318.0	2207.3	318.0	2242.3	319.0	2249.3	320.0	2258.2	322.0	2267.5
GR	324.0	2277.0	326.0	2278.4	328.0	2284.1	328.0	2342.9	326.0	2490.0
GR	326.0	2640.0	328.0	2756.9	330.0	2870.0	332.0	3030.0	334.0	3110.0

NC	0.06	0.085	0.085							
ET		6.1	8.1			1530.0	2600.0	1565	2435	
X1	360	35.0	2187.0	2382.9	335.0	355.0	345.0			
GR	330.0	275.8	328.0	424.1	326.0	1248.3	326.0	1356.6	326.0	1544.0
GR	324.0	1558.2	322.0	1570.1	320.0	1575.0	318.0	1879.0	318.0	1920.0
GR	316.0	1933.3	316.0	2012.0	320.0	2112.8	320.0	2187.0	318.0	2200.0
GR	318.0	2356.8	320.0	2382.9	322.0	2395.5	324.0	2406.1	326.0	2412.3
GR	328.0	2438.3	328.0	2460.9	326.0	2525.5	324.0	2540.0	322.0	2549.1
GR	322.0	2624.0	324.0	2726.5	326.0	2779.5	328.0	2795.5	330.0	2805.8
GR	332.0	2819.3	334.0	2827.7	336.0	2891.8	338.0	3130.9	340.0	3190.3
NC	0.06	0.085	0.085	0.1	0.3					
ET		6.1	8.1			1470.0	2820.0	1470.0	2500	
X1	370	44.0	2234.1	2326.4	345.0	350.0	345.0			
GR	330.0	149.4	328.0	349.9	328.0	355.0	328.0	360.9	328.0	514.3
GR	328.0	816.5	326.0	846.9	324.0	870.6	322.0	913.9	322.0	984.9
GR	324.0	1004.3	326.0	1014.1	326.0	1049.3	326.0	1077.6	326.0	1245.4
GR	326.0	1248.2	326.0	1279.9	326.0	1282.3	326.0	1388.8	324.0	1421.2
GR	320.0	1541.9	320.0	1573.2	320.0	1590.2	318.0	1630.0	318.0	1725.0
GR	320.0	1835.0	320.0	2154.6	320.0	2203.7	320.0	2234.1	318.0	2243.0
GR	318.0	2313.0	320.0	2326.4	322.0	2340.6	322.0	2387.8	322.0	2642.0
GR	324.0	2740.0	326.0	2768.0	328.0	2805.0	330.0	2812.0	332.0	2821.0
GR	334.0	2889.0	336.0	3030.0	338.0	3135.0	340.0	3266.0		
NC	0.06	0.085	0.085							
ET		6.1	8.1			1540.0	2960.0	1540.0	2625	
X1	380	60	2380.9	2436.4	320.0	320.0	320.0			
GR	335.0	0.0	334.0	95.0	332.0	395.4	330.0	414.4	330.0	476.9
GR	330.0	528.2	330.0	778.2	330.0	880.6	328.0	894.6	326.0	927.8
GR	324.0	975.1	324.0	1076.0	326.0	1107.4	328.0	1122.8	330.0	1165.2
GR	330.0	1214.1	330.0	1487.9	330.0	1533.6	328.0	1545.8	326.0	1553.1
GR	324.0	1557.9	322.0	1566.1	320.0	1758.3	318.0	1764.9	318.0	1792.8
GR	320.0	1806.1	320.0	1859.6	320.0	1872.8	320.0	1931.1	320.0	1967.5
GR	322.0	2063.7	324.0	2067.2	326.0	2082.5	328.0	2095.9	328.0	2156.1
GR	326.0	2164.9	324.0	2175.2	322.0	2185.4	320.0	2198.5	320.0	2262.3
GR	320.0	2380.9	318.0	2387.6	318.0	2425.8	318.0	2426.4	318.0	2426.7
GR	320.0	2436.4	322.0	2457.0	322.0	2585.1	322.0	2817.3	324.0	2918.0
GR	326.0	2943.0	328.0	2954.1	330.0	2962.7	332.0	2970.9	334.0	3048.8
GR	334.0	3201.4	334.0	3225.7	334.0	3250.0	334.0	3273.6	342.0	3413.7
NC	0.06	0.085	0.085							
ET		6.1	8.1			1680.0	2740	1730.0	2620	
X1	390	45.0	2250.0	2402.0	520.0	520.0	520.0			
GR	336.0	100.0	336.0	273.0	336.0	510.0	336.0	800.0	334.0	810.0
GR	332.0	890.0	330.0	1000.0	332.0	1270.0	332.0	1540.0	330.0	1552.0
GR	328.0	1562.0	326.0	1590.0	324.0	1603.0	322.0	1661.0	322.0	1728.0
GR	322.0	1775.0	320.0	1781.0	318.0	1822.0	318.0	1859.0	320.0	1862.0
GR	322.0	1908.0	322.0	2195.0	324.0	2220.0	324.0	2250.0	322.0	2315.0
GR	320.0	2327.0	318.0	2337.0	318.0	2380.0	320.0	2389.0	322.0	2396.0
GR	324.0	2402.0	324.0	2780.0	322.0	2795.0	322.0	2982.0	324.0	3008.0
GR	326.0	3019.0	328.0	3025.0	330.0	3035.0	332.0	3042.0	334.0	3049.0
GR	336.0	3060.0	338.0	3110.0	336.0	3278.0	336.0	3480.0	340.0	3490.0

NC	0.04	0.04	0.075							
ET		6.1	8.1			1749.0	2605	1820.0	2585	
	DOWNSTREAM END MISSION CREEK DEVELOPMENT									
X1	400	41	1877.6	2531.6	705.0	495.0	540.0			
GR	338.0	0.0	336.0	236.4	334.0	957.0	332.0	972.3	332.0	1180.4
GR	332.0	1508.0	330.0	1641.2	328.0	1671.9	326.0	1712.6	324.0	1759.2
GR	324.0	1792.6	326.0	1801.2	328.0	1806.5	328.0	1836.3	326.0	1845.9
GR	324.0	1857.9	322.0	1870.4	320.0	1877.6	318.0	1888.9	318.0	2400.6
GR	320.0	2531.6	322.0	2547.9	324.0	2556.9	326.0	2565.0	328.0	2575.5
GR	330.0	2587.7	330.0	2630.0	331.0	2680.0	333.0	2820.0	325.0	2925.0
GR	324.0	3153.7	326.0	3185.0	328.0	3195.3	330.0	3323.2	332.0	3352.4
GR	334.0	3366.1	336.0	3386.9	338.0	3409.9	340.0	3428.3	342.0	3444.8
GR	344.0	3506.3								
NH	4	0.125	2329.0	0.04	3065.3	0.065	3645.9	0.04	5376.7	
ET		6.1	8.1			2970.0	3720	2970.5	3710	
X1	410	46	3065.3	3645.9	672.0	726.0	700.0			
GR	340.0	930.0	338.0	1205.0	336.0	1335.0	336.0	1760.0	336.0	2329.0
GR	336.0	2523.4	336.0	2540.8	334.0	2618.2	332.0	2807.8	332.0	2898.9
GR	332.0	2943.8	330.0	3015.9	328.0	3024.1	326.0	3034.7	324.0	3043.6
GR	322.0	3053.5	320.0	3065.3	318.0	3081.7	318.0	3558.9	320.0	3645.9
GR	322.0	3656.9	324.0	3667.7	326.0	3675.2	328.0	3684.9	330.0	3699.4
GR	332.0	3715.9	333.0	3755.0	334.0	3860.0	333.0	4020.0	333.0	4120.0
GR	334.0	4170.0	335.0	4230.0	333.0	4300.0	336.0	4380.0	335.0	4510.0
GR	333.0	4760.0	334.0	4840.0	333.0	4900.0	337.0	5000.0	337.0	5080.0
GR	336.0	5120.0	337.0	5170.0	338.0	5260.0	338.0	5269.2	340.0	5281.8
GR	340.0	5376.7								
NH	4	0.125	2616.7	0.04	3252.3	0.065	3865.0	0.04	5263.5	
ET		6.1	8.1			3200.0	3945	3200.0	3945.0	
X1	415	40	3252.3	3865.0	765.0	800.0	780.0			
GR	340.0	940.0	338.0	1132.0	338.0	1245.0	336.0	1772.0	336.0	2616.7
GR	338.0	2647.1	338.0	2816.3	336.0	2850.7	334.0	2899.9	332.0	3198.5
GR	330.0	3207.0	328.0	3214.0	326.0	3221.8	324.0	3232.7	322.0	3244.9
GR	320.0	3252.3	318.0	3270.4	318.0	3533.8	320.0	3538.4	320.0	3567.0
GR	318.0	3578.2	318.0	3739.3	320.0	3865.0	322.0	3882.3	324.0	3895.0
GR	326.0	3908.4	328.0	3915.9	330.0	3937.1	332.0	3945.0	331.0	4320.0
GR	335.0	4330.0	334.0	4435.0	334.0	4575.0	335.0	4715.0	333.0	4930.0
GR	334.0	5080.0	334.0	5130.0	338.0	5160.0	340.0	5183.8	340.0	5263.5
NH	4	0.125	2200.0	0.04	3467.1	0.075	3988.9	0.04	5306.6	
ET		6.1	8.1			3378.9	4065	3411.5	4065	
X1	420	54	3467.1	3988.9	480.0	480.0	480.0			
GR	340.0	1100.0	338.0	1210.0	338.0	1695.0	338.0	2200.0	338.0	2595.0
GR	340.0	2628.1	342.0	2709.7	342.0	2717.4	340.0	2781.4	338.0	2791.8
GR	336.0	2796.5	336.0	3236.7	338.0	3240.6	340.0	3248.5	342.0	3378.9
GR	342.0	3387.0	340.0	3392.3	338.0	3397.4	336.0	3401.5	334.0	3407.4
GR	332.0	3414.4	330.0	3420.1	328.0	3428.7	326.0	3435.2	324.0	3445.0
GR	322.0	3454.6	320.0	3467.1	318.0	3492.9	318.0	3634.8	320.0	3642.3
GR	322.0	3651.5	322.0	3741.8	320.0	3758.6	318.0	3766.4	318.0	3891.7
GR	320.0	3988.9	322.0	4008.9	324.0	4018.8	326.0	4031.9	328.0	4038.0
GR	330.0	4049.3	332.0	4057.5	333.0	4075.0	334.0	4205.0	334.0	4285.0
GR	334.0	4340.0	334.0	4445.0	335.0	4610.0	335.0	4720.0	335.0	4880.0

GR	336.0	5005.0	336.0	5075.0	334.0	5090.0	342.0	5306.6		
NC	0.04	0.04	0.05							
ET		0	8.1					2617	3057	
X1	421	63.0	2650.0	3049.1	375.0	375.0	375.0			
GR	340.0	302.7	340.0	591.8	340.0	719.1	340.0	1070.0	340.0	1093.6
GR	340.0	1099.7	340.0	1139.2	340.0	1478.6	340.0	1590.3	340.0	1920.7
GR	342.0	2207.1	344.0	2445.7	344.0	2588.2	342.0	2593.0	340.0	2600.3
GR	338.0	2606.1	336.0	2609.4	334.0	2614.9	332.0	2617.7	330.0	2624.7
GR	328.0	2627.8	326.0	2640.4	325.0	2650.0	325.0	2666.7	324.0	2680.6
GR	324.0	2701.7	324.0	2708.7	324.0	2742.2	324.0	2752.2	324.0	2785.7
GR	324.0	2792.7	324.0	2827.7	324.0	2834.7	324.0	2869.7	324.0	2876.7
GR	324.0	2910.2	324.0	2920.2	324.0	2953.7	324.0	2960.7	324.0	2995.7
GR	324.0	3002.7	324.0	3024.8	325.0	3037.7	326.0	3044.7	328.0	3049.1
GR	330.0	3052.6	332.0	3056.2	334.0	3058.6	336.0	3062.2	338.0	3073.0
GR	340.0	3081.4	342.0	3085.6	344.0	3153.8	344.0	3220.9	342.0	3349.9
GR	340.0	3643.4	339.0	3825.0	339.0	3866.7	340.0	4418.3	342.0	4554.5
GR	344.0	4615.8	346.0	4685.8	348.0	4726.0				
NC	0.04	0.04	0.03	0.3	0.5					
ET		0	8.1					2617	3057	
	CUYAMACA BRIDGE - UPSTREAM END OF MISSION CREEK DEVELOPMENT									
	(NORMAL BRIDGE ROUTINE)									
X1	422	56	2645.0	3044.7	10.0	10.0	10.0			
BT	-53	2445.7	344.0	344.0	2588.2	344.9	344.0	2593.0	345.0	342.0
BT		2600.3	345.0	342.0	2617.7	345.0	342.0	2617.7	345.0	332.0
BT		2624.7	345.0	330.0	2624.7	345.0	342.0	2659.7	345.0	342.0
BT		2659.7	345.0	325.0	2666.7	345.0	325.0	2666.7	345.0	342.0
BT		2701.7	345.0	342.0	2701.7	345.0	324.0	2708.7	345.0	324.0
BT		2708.7	345.0	342.0	2742.2	345.0	342.0	2742.2	345.0	324.0
BT		2752.2	345.0	324.0	2752.2	345.0	342.0	2785.7	345.0	342.0
BT		2785.7	345.0	324.0	2792.7	345.0	324.0	2792.7	345.0	342.0
BT		2827.7	345.0	342.0	2827.7	345.0	324.0	2834.7	345.0	324.0
BT		2834.7	345.0	342.0	2869.7	345.0	342.0	2869.7	345.0	324.0
BT		2876.7	345.0	324.0	2876.7	345.0	342.0	2910.2	345.0	342.0
BT		2910.2	345.0	324.0	2920.2	345.0	324.0	2920.2	345.0	342.0
BT		2953.7	345.0	342.0	2953.7	345.0	324.0	2960.7	345.0	324.0
BT		2960.7	345.0	342.0	2995.7	345.0	342.0	2995.7	345.0	324.0
BT		3002.7	345.0	324.0	3002.7	345.0	342.0	3037.7	345.0	342.0
BT		3037.7	345.0	325.0	3044.7	345.0	326.0	3044.7	345.0	342.0
BT		3073.0	345.0	342.0	3081.4	344.9	342.0	3085.6	344.9	342.0
BT		3153.8	344.5	344.0	3220.9	344.0	344.0			
GR	340.0	0.0	340.0	1995.0	342.0	2250.0	344.0	2445.7	344.0	2588.2
GR	342.0	2593.0	340.0	2600.3	338.0	2606.1	336.0	2609.4	334.0	2614.9
GR	332.0	2617.7	330.0	2624.7	328.0	2627.8	326.0	2645.0	325.0	2659.7
GR	325.0	2666.7	324.0	2680.6	324.0	2701.7	324.0	2708.7	324.0	2742.2
GR	324.0	2752.2	324.0	2785.7	324.0	2792.7	324.0	2827.7	324.0	2834.7
GR	324.0	2869.7	324.0	2876.7	324.0	2910.2	324.0	2920.2	324.0	2953.7
GR	324.0	2960.7	324.0	2995.7	324.0	3002.7	324.0	3024.8	325.0	3037.7
GR	326.0	3044.7	328.0	3049.1	330.0	3052.6	332.0	3056.2	334.0	3058.6
GR	336.0	3062.2	338.0	3073.0	340.0	3081.4	342.0	3085.6	344.0	3153.8
GR	344.0	3220.9	342.0	3349.9	340.0	3650.0	339.0	4000.0	340.0	4200.0
GR	342.0	4440.0	344.0	4600.0	346.0	4675.0	348.0	4726.0	350.0	4765.0
GR	360.0	4940.0								

NC	0.04	0.04	0.03							
ET		0	8.1					4616	5058	
X1	423	61	4645.0	5044.7	65.0	65.0	65.0			
BT	-53	4445.7	344.0	344.0	4588.2	344.9	344.0	4593.0	345.0	342.0
BT		4600.3	345.0	342.0	4617.7	345.0	342.0	4617.7	345.0	332.0
BT		4624.7	345.0	330.0	4624.7	345.0	342.0	4659.7	345.0	342.0
BT		4659.7	345.0	325.0	4666.7	345.0	325.0	4666.7	345.0	342.0
BT		4701.7	345.0	342.0	4701.7	345.0	324.0	4708.7	345.0	324.0
BT		4708.7	345.0	342.0	4742.2	345.0	342.0	4742.2	345.0	324.0
BT		4752.2	345.0	324.0	4752.2	345.0	342.0	4785.7	345.0	342.0
BT		4785.7	345.0	324.0	4792.7	345.0	324.0	4792.7	345.0	342.0
BT		4827.7	345.0	342.0	4827.7	345.0	324.0	4834.7	345.0	324.0
BT		4834.7	345.0	342.0	4869.7	345.0	342.0	4869.7	345.0	324.0
BT		4876.7	345.0	324.0	4876.7	345.0	342.0	4910.2	345.0	342.0
BT		4910.2	345.0	324.0	4920.2	345.0	324.0	4920.2	345.0	342.0
BT		4953.7	345.0	342.0	4953.7	345.0	324.0	4960.7	345.0	324.0
BT		4960.7	345.0	342.0	4995.7	345.0	342.0	4995.7	345.0	324.0
BT		5002.7	345.0	324.0	5002.7	345.0	342.0	5037.7	345.0	342.0
BT		5037.7	345.0	325.0	5044.7	345.0	326.0	5044.7	345.0	342.0
BT		5073.0	345.0	342.0	5081.4	344.9	342.0	5085.6	344.9	342.0
BT		5153.8	344.5	344.0	5220.9	344.0	344.0			
GR	350.0	600.0	348.0	780.0	346.0	1090.0	344.0	1300.0	342.0	1545.0
GR	340.0	1790.0	340.0	3995.0	342.0	4250.0	344.0	4445.7	344.0	4588.2
GR	342.0	4593.0	340.0	4600.3	338.0	4606.1	336.0	4609.4	334.0	4614.9
GR	332.0	4617.7	330.0	4624.7	328.0	4627.8	326.0	4645.0	325.0	4659.7
GR	325.0	4666.7	324.0	4680.6	324.0	4701.7	324.0	4708.7	324.0	4742.2
GR	324.0	4752.2	324.0	4785.7	324.0	4792.7	324.0	4827.7	324.0	4834.7
GR	324.0	4869.7	324.0	4876.7	324.0	4910.2	324.0	4920.2	324.0	4953.7
GR	324.0	4960.7	324.0	4995.7	324.0	5002.7	324.0	5024.8	325.0	5037.7
GR	326.0	5044.7	328.0	5049.1	330.0	5052.6	332.0	5056.2	334.0	5058.6
GR	336.0	5062.2	338.0	5073.0	340.0	5081.4	342.0	5085.6	344.0	5153.8
GR	344.0	5220.9	342.0	5349.9	340.0	5650.0	339.0	6000.0	340.0	6200.0
GR	342.0	6440.0	344.0	6600.0	346.0	6675.0	348.0	6726.0	350.0	6765.0
GR	360.0	6940.0								
NH	4	0.125	2035.0	0.04	4613.8	0.05	5104.2	0.04	6952.0	
ET		0	8.1					4633	5082	
X1	424	69	4658.9	5055.0	10.0	10.0	10.0			
GR	350.0	580.0	348.0	750.0	348.0	1080.0	346.0	1150.0	346.0	1370.0
GR	344.0	1575.0	342.0	1580.0	342.0	1800.0	340.0	2035.0	340.0	2132.2
GR	340.0	2145.0	340.0	2380.5	340.0	3990.8	342.0	4119.1	344.0	4360.6
GR	344.0	4609.4	342.0	4613.8	340.0	4620.1	338.0	4624.0	336.0	4628.1
GR	334.0	4631.9	332.0	4638.5	331.0	4643.2	329.0	4650.2	328.0	4654.6
GR	326.0	4658.9	326.0	4685.2	326.0	4692.2	326.0	4727.2	326.0	4734.2
GR	326.0	4767.7	326.0	4777.7	326.0	4811.2	326.0	4818.2	326.0	4853.2
GR	326.0	4860.2	326.0	4895.2	326.0	4902.2	326.0	4935.7	326.0	4945.7
GR	326.0	4979.2	326.0	4986.2	326.0	5021.2	326.0	5028.2	326.0	5055.0
GR	327.0	5063.2	328.0	5070.2	330.0	5075.7	332.0	5080.9	334.0	5082.8
GR	336.0	5089.5	338.0	5094.7	340.0	5097.0	342.0	5104.2	344.0	5110.0
GR	344.0	5259.8	342.0	5451.8	340.0	5618.0	340.0	5725.4	339.0	5804.5
GR	339.0	5968.7	340.0	6027.7	340.0	6173.6	342.0	6449.1	344.0	6595.1
GR	346.0	6870.0	348.0	6910.0	350.0	6930.0	358.0	6952.0		

NH	4	0.125	2041.0	0.045	4805.9	0.075	5113.2	0.045	6961.0	
ET		6.1	8.1			4365.0	5270.0	4420	5270.0	
X1	425	39	4805.9	5113.2	285.0	215.0	225.0			
GR	350.0	1185.0	348.0	1262.0	346.0	1390.0	344.0	1890.0	342.0	2041.0
GR	340.0	2142.0	338.0	2150.0	335.9	3406.5	334.0	3428.9	334.0	3510.7
GR	335.9	3568.7	338.0	3680.0	338.0	4166.4	338.0	4189.8	338.0	4366.3
GR	336.0	4371.5	334.0	4381.6	332.0	4456.4	330.0	4626.7	328.0	4805.9
GR	326.0	4838.8	326.0	4902.3	326.0	4999.7	326.0	5043.9	328.0	5113.2
GR	330.0	5344.6	332.0	5451.5	334.0	5583.1	334.0	5617.4	334.0	5729.9
GR	336.0	6044.3	338.0	6089.0	340.0	6181.4	342.0	6428.1	344.0	6890.0
GR	346.0	6935.0	348.0	6942.0	350.0	6948.0	356.0	6961.0		
NC	0	0	0	0.1	0.3					
NH	4	0.125	2555.0	0.045	5520.6	0.075	5704.9	0.045	7548.0	
ET		6.1	8.1			4540.0	6200.0	4860	5860.0	
X1	430	37	5520.6	5704.9	495.0	465.0	470.0			
GR	350.0	1340.0	346.0	1807.0	346.0	2122.0	344.0	2253.0	344.0	2412.0
GR	342.0	2555.0	340.0	2657.0	338.0	3921.0	336.0	3959.0	336.0	4058.5
GR	336.0	4473.2	336.0	4516.0	338.0	4556.7	338.0	4811.0	336.0	4905.8
GR	336.0	5036.3	336.0	5322.7	334.0	5369.8	332.0	5505.1	330.0	5511.1
GR	328.0	5520.6	326.0	5536.0	326.0	5665.0	328.0	5704.9	330.0	5717.6
GR	330.0	5849.9	330.0	6295.6	332.0	6315.9	334.0	6349.1	336.0	6378.4
GR	338.0	6557.5	340.0	6787.6	342.0	7019.6	344.0	7440.0	346.0	7530.0
GR	348.0	7540.0	350.0	7548.0						
QT	2	46000	46000							
NH	4	0.125	2030.0	0.045	5118.7	0.075	5291.8	0.045	6650.0	
ET		6.1	8.1			4030.0	5760.0	4365	5420	
X1	440	52	5118.7	5291.8	535.0	550.0	545.0			
GR	350.0	1080.0	346.0	1445.0	348.0	1459.0	348.0	1550.0	346.0	1675.0
GR	344.0	2030.0	342.0	2150.0	340.0	3430.3	338.0	3456.9	336.0	3631.7
GR	336.0	3663.2	338.0	3687.3	340.0	3714.2	340.0	4208.8	338.0	4388.9
GR	338.0	4524.7	338.0	4718.6	336.0	4725.0	330.0	5052.0	330.0	5084.9
GR	334.0	5107.3	332.0	5113.6	330.0	5118.7	328.0	5127.5	328.0	5264.0
GR	330.0	5291.8	332.0	5305.1	334.0	5311.0	336.0	5334.8	336.0	5369.0
GR	336.0	5422.4	338.0	5442.9	340.0	5522.5	340.0	5563.3	338.0	5749.0
GR	338.0	5763.4	338.0	5848.7	338.0	5939.2	338.0	6011.5	336.0	6039.2
GR	334.0	6050.3	332.0	6058.1	332.0	6066.5	334.0	6091.4	336.0	6112.2
GR	338.0	6120.5	340.0	6132.0	342.0	6409.4	344.0	6585.0	346.0	6618.2
GR	348.0	6637.6	350.0	6650.0						
NH	4	0.125	2072.0	0.055	4864.8	0.03	5377.9	0.055	6949.6	
ET		6.1	8.1			4030.0	5680.0	4375	5410.0	
X1	450	49	4864.8	5377.9	575.0	545.0	530.0			
GR	350.0	1240.0	348.0	1440.0	350.0	1520.0	338.0	1585.0	338.0	1743.0
GR	336.0	1937.0	344.0	2072.0	344.0	2130.0	344.0	2155.0	342.0	2165.0
GR	342.0	2872.7	342.0	3360.1	340.0	3445.5	340.0	3579.3	340.0	3711.6
GR	338.0	3740.8	336.0	3747.9	336.0	3753.9	338.0	3789.5	340.0	3843.7
GR	342.0	4093.9	342.0	4177.2	340.0	4218.7	338.0	4487.1	336.0	4498.4
GR	334.0	4510.9	332.0	4641.3	332.0	4651.7	334.0	4820.3	336.0	4836.0
GR	336.0	4854.3	334.0	4857.6	332.0	4862.0	330.0	4864.8	328.0	4871.7
GR	328.0	5369.9	330.0	5377.9	340.0	5397.3	340.0	5957.7	340.0	6045.4
GR	342.0	6101.1	342.0	6215.9	340.0	6230.0	340.0	6278.0	342.0	6293.1

GR	344.0	6493.9	346.0	6760.6	348.0	6921.3	350.0	6949.6		
NH	4	0.125	2055.0	0.055	4626.2	0.03	5331.2	0.055	6792.0	
ET		6.1	8.1			4025.0	5620.0	4380	5360.0	
X1	460	43	4626.2	5331.2	480.0	425.0	440.0			
GR	350.0	1220.0	346.0	1470.0	344.0	1860.0	346.0	2055.0	346.0	2132.0
GR	346.0	2162.0	344.0	2208.0	342.0	3091.2	342.0	3321.4	344.0	3345.9
GR	344.0	3411.5	342.0	3819.8	340.0	3824.7	340.0	3844.0	342.0	3912.4
GR	342.0	3979.8	340.0	4198.8	338.0	4226.4	336.0	4313.8	336.0	4582.0
GR	336.0	4610.6	334.0	4617.1	332.0	4620.2	330.0	4626.2	328.0	4630.1
GR	328.0	5252.6	330.0	5331.2	340.0	5356.8	340.0	5383.4	340.0	5476.7
GR	342.0	5845.6	342.0	5959.6	342.0	6188.7	344.0	6197.4	346.0	6296.4
GR	346.0	6376.8	344.0	6385.2	342.0	6399.7	342.0	6575.7	344.0	6587.7
GR	346.0	6645.3	348.0	6750.0	350.0	6792.0				
NH	6	0.125	1790.0	0.045	2590.0	0.100	3579.6	0.045	5002.1	0.07
NH	5145.9	0.045	6460.0							
ET		6.1	8.1			3700.0	5310.0	4125	5130.0	
X1	470	64	5002.1	5145.9	790.0	430.0	480.0			
GR	350.0	600.0	346.0	1245.0	348.0	1323.0	348.0	1790.0	348.0	1885.0
GR	346.0	1892.0	346.0	2590.0	346.0	3020.0	346.0	3483.5	346.0	3520.4
GR	346.0	3579.6	344.0	3685.9	342.0	3709.5	340.0	3715.3	338.0	3720.0
GR	338.0	3725.9	340.0	3732.2	340.0	3847.1	338.0	4279.4	336.0	4285.0
GR	334.0	4293.9	332.0	4306.5	332.0	4345.6	332.0	4372.4	330.0	4384.2
GR	330.0	4423.6	340.0	4459.4	342.0	4471.1	342.0	4556.9	340.0	4613.1
GR	338.0	4618.3	336.0	4624.9	334.0	4632.7	334.0	4698.0	336.0	4706.4
GR	338.0	4729.0	338.0	4764.9	338.0	4837.2	338.0	4863.7	336.0	4874.6
GR	334.0	4887.4	332.0	4914.2	330.0	5002.1	328.0	5083.6	328.0	5130.1
GR	330.0	5145.9	340.0	5162.1	342.0	5168.9	344.0	5235.6	344.0	5596.5
GR	342.0	5821.0	342.0	5959.5	344.0	5994.9	346.0	6007.4	348.0	6035.5
GR	348.0	6205.0	346.0	6216.0	344.0	6220.0	342.0	6315.0	342.0	6386.0
GR	344.0	6405.0	346.0	6419.0	348.0	6435.0	350.0	6460.0		
NH	4	0.100	2619.8	0.045	3872.7	0.07	4124.9	0.045	5570.7	
ET		6.1	8.1			2870.0	4250.0	3105	4125.6	
X1	480	41	3872.7	4124.9	305.0	280.0	280.0			
GR	356.0	1132.0	356.0	1228.0	354.0	1275.0	352.0	1286.0	352.0	1390.0
GR	350.0	1446.0	348.0	1450.0	346.0	1455.0	346.0	1467.0	348.0	1950.0
GR	348.0	2113.2	346.0	2545.0	344.0	2619.8	342.0	2664.9	342.0	2687.7
GR	342.0	2739.0	342.0	3361.5	344.0	3483.8	344.0	3688.0	342.0	3866.6
GR	340.0	3872.7	330.0	3894.3	330.0	4069.2	332.0	4095.4	334.0	4114.1
GR	336.0	4116.2	338.0	4120.0	340.0	4124.9	342.0	4132.6	344.0	4189.7
GR	344.0	4740.3	344.0	5007.8	346.0	5016.3	348.0	5024.5	348.0	5269.2
GR	346.0	5273.4	344.0	5277.1	344.0	5511.3	346.0	5541.5	348.0	5560.0
GR	350.0	5570.7								
NH	4	0.100	2502.0	0.045	3854.9	0.07	4098.1	0.045	5643.7	
ET		6.1	8.1			2900.0	4240.0	3120	4140	
X1	483	45	3854.9	4098.1	100.0	105.0	100.0			
GR	356.0	1105.0	356.0	1280.0	354.0	1290.0	352.0	1430.0	350.0	1454.0
GR	348.0	1460.0	348.0	2105.1	346.0	2502.0	344.0	2612.0	342.0	2665.7
GR	342.0	2683.7	342.0	2769.5	342.0	3359.5	342.0	3379.8	342.0	3410.7
GR	344.0	3450.4	344.0	3816.5	342.0	3837.7	340.0	3854.9	330.0	3895.7
GR	330.0	4009.3	332.0	4079.9	334.0	4088.0	336.0	4091.9	338.0	4095.3

GR	340.0	4098.1	342.0	4103.2	342.0	4137.8	340.0	4141.5	340.0	4162.6
GR	342.0	4171.8	344.0	4215.5	344.0	4767.9	344.0	5026.4	346.0	5036.5
GR	348.0	5044.5	348.0	5286.1	346.0	5290.9	344.0	5396.7	344.0	5436.4
GR	344.0	5502.7	344.0	5543.5	346.0	5604.2	348.0	5621.7	350.0	5643.7
NC	0.045	0.045	0.07							
ET		6.1	8.1			2920.0	4190.0	3080	4095	
X1	484	26	3795.2	4061.4	110.0	160.0	115.0			
GR	356.0	1100.0	356.0	1270.0	354.0	1315.0	352.0	1350.0	350.0	1373.0
GR	348.0	1419.0	346.0	1810.0	344.0	2690.0	342.0	2965.4	342.0	3369.7
GR	344.0	3472.5	344.0	3650.8	342.0	3795.2	340.0	3810.8	330.0	3835.1
GR	330.0	3898.3	332.0	3907.2	334.0	3912.9	336.0	3918.5	338.0	3980.9
GR	340.0	4017.8	342.0	4061.4	344.0	4422.3	346.0	4997.8	348.0	5278.5
GR	350.0	5330.8								
NC	0.045	0.045	0.07							
ET		6.1	8.1			2920.0	4180.0	3080	4095	
	CHUBB LANE CROSSING									
X1	485	20	3795.2	4061.4	10.0	10.0	10.0			
GR	356.0	1100.0	356.0	1270.0	354.0	1315.0	352.0	1350.0	350.0	1373.0
GR	348.0	1419.0	346.0	1810.0	344.0	2690.0	342.0	2965.4	342.0	3369.7
GR	344.0	3472.5	344.0	3650.8	342.0	3795.2	340.0	3810.8	340.0	4017.8
GR	342.0	4061.4	344.0	4422.3	346.0	4997.8	348.0	5278.5	350.0	5330.8
NC	0.045	0.045	0.07							
ET		6.1	8.1			2920.0	4180.0	3080	4095	
X1	486	26	3795.2	4061.4	10.0	10.0	10.0			
GR	356.0	1100.0	356.0	1270.0	354.0	1315.0	352.0	1350.0	350.0	1373.0
GR	348.0	1419.0	346.0	1810.0	344.0	2690.0	342.0	2965.4	342.0	3369.7
GR	344.0	3472.5	344.0	3650.8	342.0	3795.2	340.0	3810.8	330.0	3835.1
GR	330.0	3898.3	332.0	3907.2	334.0	3912.9	336.0	3918.5	338.0	3980.9
GR	340.0	4017.8	342.0	4061.4	344.0	4422.3	346.0	4997.8	348.0	5278.5
GR	350.0	5330.8								
NH	4	0.04	3797.7	0.07	3905.4	.075	4110.0	0.125	5380.0	
ET		6.1	8.1			3060.0	4120.0	3030	4050	
X1	490	36	3797.7	3905.4	175.0	175.0	175.0			
GR	354.0	110.0	354.0	1280.0	352.0	1310.0	350.0	1330.0	348.0	1358.0
GR	346.0	1408.0	346.0	2451.7	342.0	3056.1	342.0	3463.8	342.0	3544.0
GR	342.0	3616.0	342.0	3686.6	340.0	3704.2	340.0	3748.6	340.0	3774.1
GR	338.0	3780.9	336.0	3797.7	334.0	3806.3	332.0	3814.2	330.0	3830.2
GR	330.0	3875.2	332.0	3892.7	334.0	3900.1	336.0	3905.4	338.0	3911.0
GR	340.0	3917.1	342.0	3924.4	342.0	4001.3	346.0	4712.1	348.0	4717.7
GR	348.0	4725.7	346.0	4737.3	346.0	4793.3	348.0	4841.3	350.0	4959.4
GR	352.0	5380.0								
QT	2	45000	45000							
NH	5	0.085	2633.5	0.03	3766.7	0.04	4005.4	0.03	4739.8	0.125
NH	6165.0									
ET		6.1	8.1			3430.0	4190.0	3280	4155	

X1	500	44	3766.7	4005.4	495.0	525.0	510.0			
GR	358.0	830.0	356.0	900.0	354.0	1045.0	352.0	1089.0	350.0	1175.0
GR	348.0	1242.0	348.0	2080.0	348.0	2633.5	346.0	2640.9	346.0	2735.0
GR	346.0	2810.0	344.0	3339.8	342.0	3695.5	338.0	3741.7	336.0	3751.7
GR	334.0	3766.7	332.0	3793.9	330.0	3843.9	330.0	3989.1	332.0	3998.5
GR	334.0	4005.4	336.0	4015.5	338.0	4023.5	340.0	4112.9	338.0	4126.6
GR	336.0	4139.9	336.0	4175.3	338.0	4185.5	340.0	4201.8	342.0	4395.8
GR	342.0	4399.9	346.0	4407.0	346.0	4469.5	346.0	4591.4	348.0	4594.7
GR	348.0	4599.1	348.0	4617.3	348.0	4625.8	348.0	4647.7	348.0	4679.9
GR	348.0	4739.8	350.0	4933.4	352.0	5300.0	354.0	6165.0		
NH	5	0.065	2393.3	0.03	3835.4	0.04	4360.7	0.03	4590.8	0.125
NH	6670.0									
ET		0	8.1					3851.0	4335.0	
X1	507	63	3860.7	4289.5	510.0	450.0	470.0			
GR	360.0	960.0	358.0	1050.0	356.0	1095.0	354.0	1357.0	352.0	1435.0
GR	350.0	1590.0	348.0	1765.0	348.0	1800.0	350.0	2192.2	350.0	2393.3
GR	348.0	3070.0	348.0	3487.6	350.0	3675.1	352.0	3743.8	352.0	3835.4
GR	350.0	3839.8	348.0	3847.1	346.0	3853.6	344.0	3856.3	342.0	3860.7
GR	340.0	3865.6	339.0	3869.5	338.0	3876.5	336.0	3889.4	336.0	3911.5
GR	336.0	3918.5	336.0	3953.5	336.0	3960.5	336.0	3994.0	334.0	4004.0
GR	334.0	4037.5	334.0	4044.5	334.0	4079.5	334.0	4086.5	334.0	4121.5
GR	334.0	4128.5	334.0	4162.0	336.0	4172.0	336.0	4205.5	336.0	4212.5
GR	336.0	4226.3	337.0	4247.5	338.0	4252.3	339.0	4254.5	340.0	4259.3
GR	342.0	4267.2	342.0	4267.4	342.0	4289.5	342.0	4296.5	342.0	4304.1
GR	342.0	4322.4	346.0	4332.1	348.0	4339.3	350.0	4346.2	352.0	4360.7
GR	352.0	4419.1	350.0	4539.4	350.0	4590.8	352.0	5410.1	354.0	6320.0
GR	356.0	6500.0	358.0	6600.0	360.0	6670.0				
NC	0.04	0.04	0.03	0.3	0.5					
ET		0	8.1					3852	4334.0	
	MAGNOLIA AVE BRIDGE (NORMAL BRIDGE ROUTINE)									
X1	508	58	3860.7	4289.5	10.0	10.0	10.0			
BT	-49	3743.8	352.0	352.0	3835.4	354.5	352.0	3869.5	355.0	352.0
BT		3869.5	355.0	339.0	3876.5	355.0	338.0	3876.5	355.0	352.0
BT		3911.5	355.0	352.0	3911.5	355.0	336.0	3918.5	355.0	336.0
BT		3918.5	355.0	352.0	3953.5	355.0	352.0	3953.5	355.0	336.0
BT		3960.5	355.0	336.0	3960.5	355.0	352.0	3994.0	355.0	352.0
BT		3994.0	355.0	336.0	4004.0	355.0	336.0	4004.0	355.0	352.0
BT		4037.5	355.0	352.0	4037.5	355.0	336.0	4044.5	355.0	336.0
BT		4044.5	355.0	352.0	4079.5	355.0	352.0	4079.5	355.0	336.0
BT		4086.5	355.0	336.0	4086.5	355.0	352.0	4121.5	355.0	352.0
BT		4121.5	355.0	336.0	4128.5	355.0	336.0	4128.5	355.0	352.0
BT		4162.0	355.0	352.0	4162.0	355.0	336.0	4172.0	355.0	336.0
BT		4172.0	355.0	352.0	4205.5	355.0	352.0	4205.5	355.0	336.0
BT		4212.5	355.0	336.0	4212.5	355.0	352.0	4247.5	355.0	352.0
BT		4247.5	355.0	337.0	4254.5	355.0	339.0	4254.5	355.0	352.0
BT		4289.5	355.0	352.0	4289.5	355.0	342.0	4296.5	355.0	342.0
BT		4296.5	355.0	352.0	4346.2	355.0	352.0	4360.7	354.0	352.0
BT		4450.0	352.0	352.0						
GR	360.0	965.0	358.0	1085.0	356.0	1225.0	354.0	1345.0	352.0	1510.0
GR	350.0	2420.0	348.0	3070.0	348.0	3487.6	350.0	3675.1	352.0	3743.8
GR	352.0	3835.4	350.0	3839.8	348.0	3847.1	346.0	3853.6	344.0	3856.3
GR	342.0	3860.7	340.0	3865.6	339.0	3869.5	338.0	3876.5	336.0	3889.4

GR	336.0	3911.5	336.0	3918.5	336.0	3953.5	336.0	3960.5	336.0	3994.0
GR	334.0	4004.0	334.0	4037.5	334.0	4044.5	334.0	4079.5	334.0	4086.5
GR	334.0	4121.5	334.0	4128.5	334.0	4162.0	336.0	4172.0	336.0	4205.5
GR	336.0	4212.5	336.0	4226.3	337.0	4247.5	338.0	4252.3	339.0	4254.5
GR	340.0	4259.3	342.0	4267.2	342.0	4267.4	342.0	4289.5	342.0	4296.5
GR	342.0	4304.1	342.0	4322.4	346.0	4332.1	348.0	4339.3	350.0	4346.2
GR	352.0	4360.7	352.0	4450.0	352.0	5050.0	352.0	5450.0	354.0	6150.0
GR	356.0	6290.0	358.0	6680.0	360.0	6810.0				
NC	0.04	0.04	0.03							
ET		0	8.1					3851.0	4335.0	
X1	509	58	3889.4	4322.4	65.0	65.0	65.0			
BT	-49	3743.8	352.0	352.0	3835.4	354.5	352.0	3869.5	355.0	352.0
BT		3869.5	355.0	339.0	3876.5	355.0	338.0	3876.5	355.0	352.0
BT		3911.5	355.0	352.0	3911.5	355.0	336.0	3918.5	355.0	336.0
BT		3918.5	355.0	352.0	3953.5	355.0	352.0	3953.5	355.0	336.0
BT		3960.5	355.0	336.0	3960.5	355.0	352.0	3994.0	355.0	352.0
BT		3994.0	355.0	336.0	4004.0	355.0	336.0	4004.0	355.0	352.0
BT		4037.5	355.0	352.0	4037.5	355.0	336.0	4044.5	355.0	336.0
BT		4044.5	355.0	352.0	4079.5	355.0	352.0	4079.5	355.0	336.0
BT		4086.5	355.0	336.0	4086.5	355.0	352.0	4121.5	355.0	352.0
BT		4121.5	355.0	336.0	4128.5	355.0	336.0	4128.5	355.0	352.0
BT		4162.0	355.0	352.0	4162.0	355.0	336.0	4172.0	355.0	336.0
BT		4172.0	355.0	352.0	4205.5	355.0	352.0	4205.5	355.0	336.0
BT		4212.5	355.0	336.0	4212.5	355.0	352.0	4247.5	355.0	352.0
BT		4247.5	355.0	337.0	4254.5	355.0	339.0	4254.5	355.0	352.0
BT		4289.5	355.0	352.0	4289.5	355.0	342.0	4296.5	355.0	342.0
BT		4296.5	355.0	352.0	4346.2	355.0	352.0	4360.7	354.0	352.0
BT		4450.0	352.0	352.0						
GR	360.0	965.0	358.0	1085.0	356.0	1225.0	354.0	1345.0	352.0	1510.0
GR	350.0	2420.0	348.0	3070.0	348.0	3487.6	350.0	3675.1	352.0	3743.8
GR	352.0	3835.4	350.0	3839.8	348.0	3847.1	346.0	3853.6	344.0	3856.3
GR	342.0	3860.7	340.0	3865.6	339.0	3869.5	338.0	3876.5	336.0	3889.4
GR	336.0	3911.5	336.0	3918.5	336.0	3953.5	336.0	3960.5	336.0	3994.0
GR	334.0	4004.0	334.0	4037.5	334.0	4044.5	334.0	4079.5	334.0	4086.5
GR	334.0	4121.5	334.0	4128.5	334.0	4162.0	336.0	4172.0	336.0	4205.5
GR	336.0	4212.5	336.0	4226.3	337.0	4247.5	338.0	4252.3	339.0	4254.5
GR	340.0	4259.3	342.0	4267.2	342.0	4267.4	342.0	4289.5	342.0	4296.5
GR	342.0	4304.1	342.0	4322.4	346.0	4332.1	348.0	4339.3	350.0	4346.2
GR	352.0	4360.7	352.0	4450.0	352.0	5050.0	352.0	5450.0	354.0	6150.0
GR	356.0	6290.0	358.0	6680.0	360.0	6810.0				
NC	0	0	0	0.1	0.3					
NH	5	0.125	3603.7	0.03	3864.3	0.04	4357.7	0.03	4787.9	0.125
NH	6500.0									
ET		6.1	8.1			3864.3	4357.7	3867.0	4352.0	
X1	510	67	3885.3	4317.2	10.0	10.0	10.0			
GR	360.0	1000.0	358.0	1120.0	356.0	1230.0	354.0	1350.0	352.0	1480.0
GR	352.0	2160.4	354.0	2166.0	354.0	2725.2	352.0	2794.1	350.0	2800.2
GR	348.0	2927.2	348.0	3502.2	350.0	3603.7	352.0	3725.7	352.0	3854.6
GR	350.0	3859.7	348.0	3864.3	346.0	3872.7	344.0	3875.1	342.0	3885.3
GR	340.0	3888.1	339.0	3897.2	336.0	3904.2	336.0	3939.2	336.0	3946.2
GR	335.0	3981.2	335.0	3988.2	335.0	4021.7	335.0	4031.7	335.0	4065.2
GR	334.0	4072.2	334.0	4099.9	333.0	4107.2	333.0	4114.2	332.0	4118.2

GR	332.0	4138.2	334.0	4141.3	334.0	4149.2	335.0	4156.2	335.0	4189.7
GR	335.0	4199.7	335.0	4233.2	336.0	4240.2	336.0	4261.1	338.0	4264.2
GR	340.0	4272.0	340.0	4275.2	341.0	4282.2	341.0	4317.2	342.0	4324.2
GR	344.0	4330.0	346.0	4338.6	348.0	4357.7	348.0	4451.3	346.0	4474.4
GR	346.0	4560.8	348.0	4643.2	350.0	4686.4	352.0	4787.9	354.0	4949.8
GR	356.0	5106.6	356.0	5735.0	354.0	5745.0	354.0	5815.0	356.0	6265.0
GR	358.0	6305.0	360.0	6500.0						
NH	3	.125	3614.7	0.04	4704.9	0.125	6505.0			
ET		6.1	8.1			3640.0	4470.0	3750	4440.0	
X1	515	53	3935.0	4447.8	250.0	350.0	275.0			
GR	362.0	710.0	360.0	720.0	358.0	785.0	356.0	866.0	354.0	1170.0
GR	352.0	1700.0	352.0	2020.0	354.0	2100.0	354.0	2376.8	352.0	2799.9
GR	350.0	3013.6	348.0	3176.9	348.0	3407.4	348.0	3614.7	348.0	3639.6
GR	346.0	3642.6	346.0	3643.2	344.0	3648.3	342.0	3652.1	340.0	3656.8
GR	338.0	3665.5	346.0	3667.9	336.0	3675.4	334.0	3935.0	332.0	3951.7
GR	332.0	4435.6	334.0	4447.8	336.0	4456.4	338.0	4469.2	340.0	4526.5
GR	342.0	4537.8	344.0	4543.0	346.0	4557.9	348.0	4603.2	350.0	4609.2
GR	352.0	4615.3	352.0	4647.6	352.0	4662.2	354.0	4666.4	354.0	4704.9
GR	354.0	4863.6	356.0	5134.3	356.0	5500.0	354.0	5620.0	354.0	5675.0
GR	356.0	5765.0	356.0	5830.0	354.0	5880.0	354.0	5940.0	356.0	6035.0
GR	358.0	6120.0	360.0	6420.0	362.0	6505.0				
NH	5	0.125	4258.6	0.04	4387.7	0.03	4851.5	0.04	5018.7	0.125
NH	6900.0									
ET		6.1	8.1			4240.0	5000.0	4240.0	4865.0	
X1	520	65	4347.8	4855.3	515.0	590.0	560.0			
GR	362.0	1250.0	360.0	1261.0	358.0	1319.0	356.0	1540.0	354.0	1650.0
GR	352.0	2055.0	352.0	2209.2	354.0	2588.6	356.0	2679.1	356.0	2743.9
GR	354.0	3131.2	354.0	3204.9	354.0	3232.3	352.0	3297.2	352.0	3308.2
GR	352.0	3319.1	352.0	3327.2	352.0	3343.9	350.0	3512.7	348.0	3663.8
GR	348.0	3669.4	348.0	3965.0	348.0	4106.2	348.0	4106.7	348.0	4158.5
GR	348.0	4258.6	346.0	4263.3	344.0	4268.6	342.0	4272.0	340.0	4275.2
GR	338.0	4279.7	336.0	4283.7	334.0	4347.8	332.0	4387.7	332.0	4523.9
GR	334.0	4530.9	334.0	4704.9	332.0	4708.7	332.0	4851.5	334.0	4855.3
GR	336.0	4860.2	338.0	4866.8	340.0	4876.8	342.0	4919.9	344.0	4927.6
GR	346.0	4929.8	348.0	4933.4	350.0	4951.4	352.0	4959.9	354.0	4990.6
GR	356.0	4998.1	356.0	5018.7	354.0	5361.1	354.0	5395.8	356.0	5475.0
GR	358.0	5510.0	356.0	5585.0	356.0	5930.0	358.0	5965.0	356.0	6150.0
GR	356.0	6200.0	358.0	6290.0	358.0	6720.0	360.0	6810.0	362.0	6900.0
NH	4	0.100	4012.3	0.04	4190.2	0.03	4516.3	0.04	6460.0	
ET		6.1	8.1			4050.0	4691.0	4170	4650.0	
X1	530	53	4190.2	4516.3	640.0	610.0	620.0			
GR	362.0	1570.0	360.0	1582.0	358.0	1775.0	356.0	1790.0	356.0	1985.0
GR	356.0	2190.2	354.0	2655.8	354.0	2937.3	352.0	2958.0	350.0	3490.2
GR	350.0	4012.3	350.0	4089.9	348.0	4095.2	346.0	4143.4	344.0	4151.9
GR	342.0	4155.4	340.0	4159.6	338.0	4174.5	336.0	4183.0	334.0	4190.2
GR	334.0	4516.3	336.0	4525.2	338.0	4589.7	340.0	4647.5	350.0	4666.3
GR	352.0	4674.7	360.0	4691.0	360.0	4705.1	354.0	4712.6	352.0	4718.3
GR	350.0	4725.4	350.0	4760.9	352.0	4781.7	354.0	4795.3	356.0	4806.9
GR	358.0	4832.0	360.0	4863.8	360.0	4905.5	358.0	5015.0	356.0	5040.0
GR	356.0	5300.0	354.0	5430.0	356.0	5500.0	358.0	5680.0	358.0	5783.0
GR	356.0	5787.0	354.0	5855.0	354.0	5975.0	356.0	6035.0	358.0	6040.0

GR	360.0	6410.0	360.0	6455.0	362.0	6460.0				
NH	4	0.100	1987.3	0.04	2128.1	0.03	2406.4	0.04	3590.0	
ET		6.1	8.1			2070.0	2600.0	2120	2530.0	
X1	535	36	2119.8	2411.1	290.0	275.0	280.0			
GR	360.0	0.0	358.0	188.8	356.0	211.0	354.0	228.7	354.0	314.3
GR	354.0	334.2	354.0	351.3	354.0	695.4	352.0	1004.9	352.0	1261.4
GR	352.0	1339.2	350.0	1389.9	350.0	1987.3	350.0	2065.4	348.0	2095.4
GR	346.0	2098.9	344.0	2102.4	342.0	2107.7	340.0	2113.5	338.0	2117.2
GR	336.0	2119.8	334.0	2128.1	334.0	2406.4	336.0	2411.1	338.0	2445.2
GR	340.0	2478.5	342.0	2515.2	344.0	2529.9	346.0	2535.1	348.0	2543.0
GR	350.0	2635.3	352.0	2651.1	354.0	2773.2	356.0	3360.0	358.0	3390.0
GR	360.0	3590.0								
NH	4	0.100	1900.0	0.04	2065.8	0.03	2390.6	0.04	3240.0	
ET		0	8.1					2055	2467.0	
X1	540	36	2055.8	2395.1	365.0	335.0	350.0			
GR	364.0	126.0	362.0	255.0	360.0	292.6	358.0	352.3	356.0	382.5
GR	356.0	410.9	356.0	877.4	354.0	963.3	354.0	968.2	354.0	1262.3
GR	354.0	1625.0	354.0	1706.5	352.0	1727.1	351.0	1900.0	350.0	2004.7
GR	340.0	2027.6	338.0	2035.3	336.0	2055.8	334.0	2065.8	334.0	2390.6
GR	336.0	2395.1	338.0	2410.3	340.0	2416.7	342.0	2432.0	344.0	2444.2
GR	346.0	2460.4	348.0	2466.0	350.0	2474.7	352.0	2495.3	354.0	2555.1
GR	354.0	2571.0	354.0	2617.2	356.0	2676.7	356.0	3100.0	358.0	3200.0
GR	360.0	3240.0								
NH	6	0.100	1120.0	0.06	1701.3	0.04	1900.5	0.03	2149.2	0.04
NH	2539.6	0.125	2909.2							
ET		0	8.1					1830.0	2350	
X1	550	40.0	1894.0	2153.3	645.0	655.0	650.0			
GR	370.0	147.4	368.0	151.1	366.0	158.9	364.0	168.9	364.0	250.9
GR	364.0	308.1	362.0	326.8	358.0	354.2	356.0	381.8	356.0	568.8
GR	356.0	1120.0	354.0	1377.0	354.0	1422.7	354.0	1701.3	352.0	1718.0
GR	350.0	1746.6	340.0	1828.0	338.0	1831.6	336.0	1894.0	334.0	1900.5
GR	334.0	2149.2	336.0	2153.3	338.0	2156.8	340.0	2199.4	342.0	2214.0
GR	344.0	2223.8	344.0	2280.7	344.0	2333.5	346.0	2348.4	348.0	2353.7
GR	350.0	2356.8	352.0	2359.2	354.0	2368.0	356.0	2382.7	358.0	2421.7
GR	360.0	2425.5	360.0	2539.6	360.0	2636.9	362.0	2722.6	364.0	2909.2
NH	4	0.05	1643.0	0.03	1885.4	0.04	2282.7	0.125	2809.5	
ET		0	8.1					1575	2200	
X1	560	46.0	1638.2	1898.1	605.0	595.0	600.0			
GR	362.0	136.3	362.0	194.5	364.0	210.8	366.0	233.2	366.0	287.9
GR	366.0	315.1	366.0	371.5	364.0	385.2	362.0	390.9	360.0	455.9
GR	358.0	466.9	356.0	617.4	356.0	992.7	358.0	1010.1	358.0	1064.6
GR	356.0	1372.1	354.0	1497.6	352.0	1542.9	350.0	1558.0	340.0	1585.4
GR	338.0	1592.1	336.0	1638.2	334.0	1643.0	334.0	1885.4	336.0	1898.1
GR	338.0	2060.8	340.0	2071.8	342.0	2121.3	344.0	2208.5	346.0	2214.3
GR	348.0	2217.3	350.0	2220.7	352.0	2224.7	354.0	2227.4	356.0	2254.0
GR	358.0	2260.6	360.0	2279.6	362.0	2282.7	362.0	2385.4	362.0	2469.4
GR	364.0	2537.2	366.0	2600.1	368.0	2650.4	370.0	2686.2	372.0	2770.6
GR	374.0	2809.5								

NH	4	0.100	986.3	0.05	1187.5	0.03	1383.4	0.04	1850.5	
ET		0	8.1					1080	1790	
X1	562	40.0	1181.4	1385.0	280.0	285.0	280.0			
GR	366.0	106.5	364.0	123.2	362.0	127.7	360.0	134.7	360.0	138.6
GR	360.0	169.0	358.0	191.7	358.0	219.4	358.0	231.0	356.0	395.2
GR	356.0	419.7	356.0	630.2	356.0	691.3	356.0	986.3	354.0	1059.2
GR	352.0	1064.0	350.0	1068.5	340.0	1107.5	338.0	1127.7	336.0	1181.4
GR	334.0	1187.5	334.0	1383.4	336.0	1385.0	334.0	1453.1	334.0	1484.7
GR	338.0	1555.7	340.0	1600.9	340.0	1633.0	340.0	1698.3	342.0	1712.0
GR	344.0	1780.4	346.0	1790.8	348.0	1797.9	350.0	1801.1	352.0	1812.1
GR	354.0	1816.6	356.0	1819.1	358.0	1821.8	360.0	1826.7	362.0	1850.5
NH	5	0.100	821.7	0.05	1102.1	0.03	1325.5	0.04	1694.5	0.125
NH	1835.5									
ET		0	8.1					920	1650	
X1	564	34.0	1053.1	1332.2	220.0	220.0	220.0			
GR	364.0	130.8	362.0	135.1	360.0	178.5	360.0	194.3	360.0	199.1
GR	358.0	210.6	356.0	821.7	354.0	896.6	351.0	902.2	350.0	905.0
GR	348.0	910.5	346.0	916.1	344.0	926.7	342.0	943.3	338.0	959.8
GR	336.0	1053.1	334.0	1102.1	334.0	1325.5	336.0	1332.2	338.0	1506.9
GR	340.0	1539.8	342.0	1592.1	344.0	1621.6	346.0	1636.2	348.0	1647.2
GR	350.0	1658.3	352.0	1675.0	354.0	1680.3	356.0	1684.4	358.0	1688.6
GR	360.0	1691.3	362.0	1694.5	362.0	1830.3	362.0	1835.5		
NC	0.085	0.06	0.03							
ET		0	8.1					870	1405	
X1	566	48.0	971.9	1257.5	280.0	280.0	280.0			
GR	364.0	125.7	362.0	130.3	360.0	226.0	358.0	539.3	356.0	545.7
GR	354.0	549.2	354.0	586.2	354.0	836.5	351.0	841.5	350.0	846.0
GR	348.0	852.7	346.0	861.9	344.0	870.9	342.0	873.4	340.0	878.6
GR	338.0	882.9	338.0	891.3	340.0	897.1	342.0	928.0	342.0	943.5
GR	340.0	966.5	338.0	971.9	336.0	987.3	334.0	1006.2	334.0	1248.3
GR	336.0	1249.2	338.0	1257.5	340.0	1312.0	342.0	1319.6	344.0	1359.0
GR	346.0	1374.5	348.0	1397.8	350.0	1410.4	352.0	1435.6	354.0	1452.7
GR	356.0	1461.4	358.0	1472.7	360.0	1475.8	362.0	1480.2	364.0	1482.6
GR	366.0	1485.5	368.0	1547.3	370.0	1556.3	372.0	1562.2	374.0	1573.8
GR	376.0	1582.1	378.0	1591.8	380.0	1597.3				
NC	0.085	0.06	0.03							
ET		0	8.1					1525	1960	
X1	570	51.0	1642.7	1843.3	285.0	280.0	280.0			
GR	370.0	581.4	368.0	587.2	366.0	591.4	364.0	596.0	362.0	671.4
GR	362.0	686.5	364.0	810.8	364.0	840.9	362.0	859.4	360.0	914.8
GR	358.0	1050.7	356.0	1054.8	354.0	1061.1	354.0	1070.1	356.0	1074.5
GR	358.0	1079.1	358.0	1092.1	356.0	1097.0	356.0	1108.1	358.0	1112.0
GR	358.0	1127.6	356.0	1130.5	356.0	1466.0	356.0	1513.1	354.0	1516.3
GR	351.0	1518.8	350.0	1522.2	348.0	1526.1	346.0	1531.5	344.0	1537.1
GR	342.0	1556.5	342.0	1580.3	342.0	1627.4	340.0	1635.2	338.0	1638.2
GR	336.0	1642.7	334.0	1647.9	334.0	1837.5	336.0	1843.3	338.0	1860.7
GR	340.0	1867.9	342.0	1914.8	344.0	1920.4	346.0	1948.3	348.0	1964.0
GR	350.0	1970.5	352.0	1974.8	354.0	1999.3	356.0	2006.6	358.0	2013.6
GR	360.0	2028.7								

NC	0.085	0.06	0.03							
ET		0	8.1					757	1150	
X1	572	32	832.0	1056.1	200.0	178.0	187.0			
GR	362.0	120.8	360.0	184.3	358.0	190.8	356.0	276.1	356.0	440.2
GR	356.0	738.5	354.0	746.9	351.0	749.1	350.0	755.1	348.0	759.7
GR	346.0	769.4	344.0	772.6	342.0	775.3	340.0	780.9	338.0	784.1
GR	336.0	832.0	334.0	838.1	334.0	1051.5	336.0	1056.1	338.0	1063.0
GR	340.0	1097.3	342.0	1102.0	344.0	1105.3	346.0	1109.4	348.0	1153.3
GR	350.0	1161.6	352.0	1183.2	354.0	1196.0	356.0	1212.6	358.0	1239.7
GR	360.0	1250.9	362.0	1260.0						

NC	0.085	0.06	0.03							
ET		0	8.1					705	1090.0	
X1	574	35.0	747.5	1043.6	210.0	190.0	200.0			
GR	362.0	129.2	362.0	138.5	362.0	163.3	360.0	186.2	358.0	190.0
GR	358.0	577.1	358.0	687.6	356.0	694.4	354.0	697.9	351.0	701.0
GR	350.0	704.4	348.0	710.2	346.0	713.6	344.0	716.8	342.0	721.3
GR	340.0	725.5	338.0	741.6	336.0	747.5	334.0	749.7	334.0	1039.4
GR	336.0	1043.6	338.0	1048.8	340.0	1081.1	342.0	1085.0	349.9	1097.5
GR	350.0	1106.8	350.0	1121.7	352.0	1128.8	354.0	1131.7	356.0	1148.3
GR	358.0	1163.7	360.0	1176.6	362.0	1185.2	364.0	1192.5	366.0	1192.6

NC	0.085	0.06	0.03							
ET		0	8.1					688	1060	
X1	576	30.0	733.4	959.3	190.0	165.0	170.0			
GR	362.0	169.2	360.0	207.0	358.0	657.3	356.0	661.5	354.0	667.9
GR	351.0	683.0	350.0	687.3	348.0	693.7	346.0	700.1	344.0	706.9
GR	342.0	713.0	340.0	714.2	338.0	733.4	336.0	737.2	334.0	739.6
GR	334.0	948.2	336.0	952.2	338.0	959.3	340.0	1048.8	342.0	1075.6
GR	349.9	1095.6	352.0	1099.3	354.0	1104.0	356.0	1108.2	356.0	1123.7
GR	356.0	1139.6	358.0	1143.4	360.0	1146.4	362.0	1153.0	364.0	1184.9

NC	0.085	0.06	0.03							
ET		0	8.1					615.0	1080	
X1	582	39.0	698.2	914.1	335.0	310.0	330.0			
GR	364.0	137.4	362.0	189.7	360.0	205.4	360.0	212.2	360.0	221.3
GR	358.0	568.5	356.0	572.6	354.0	576.1	351.0	579.3	350.0	581.9
GR	348.0	586.0	346.0	590.1	344.0	593.5	344.0	610.4	346.0	616.5
GR	346.0	623.7	344.0	627.6	344.0	643.0	344.0	680.1	342.0	683.7
GR	340.0	693.0	338.0	698.2	336.0	704.7	336.0	909.2	338.0	914.1
GR	340.0	919.5	342.0	1044.1	342.0	1107.0	342.0	1140.7	344.0	1144.9
GR	346.0	1148.3	348.0	1150.5	350.0	1152.8	352.0	1156.0	354.0	1159.9
GR	356.0	1163.4	358.0	1215.1	360.0	1219.2	370.0	1239.5		

NC	0.085	0.06	0.03							
ET		0	8.1					538.0	1085	
X1	584	33.0	632.7	857.9	210.0	190.0	200.0			
GR	364.0	135.1	364.0	145.5	364.0	174.9	362.0	191.2	360.0	196.8
GR	358.0	515.4	356.0	518.5	354.0	526.4	351.0	533.5	350.0	540.1
GR	348.0	551.7	346.0	557.5	344.0	561.9	342.0	573.5	340.0	581.2
GR	338.0	632.7	336.0	644.9	336.0	851.8	338.0	857.9	342.0	992.7
GR	344.0	1066.7	346.0	1072.5	348.0	1095.0	350.0	1098.7	352.0	1100.7
GR	354.0	1107.8	356.0	1111.0	358.0	1121.2	358.0	1163.7	358.0	1244.0

GR	360.0	1267.6	362.0	1299.1	364.0	1309.3				
NC	0.085	0.06	0.03							
ET		0	8.1					465.0	960	
X1	586	34.0	582.7	772.7	205.0	205.0	205.0			
GR	366.0	110.7	364.0	182.5	362.0	188.7	360.0	329.3	360.0	355.9
GR	360.0	383.3	360.0	412.5	360.0	444.5	350.0	465.8	348.0	470.9
GR	346.0	483.4	344.0	488.8	342.0	507.1	338.0	582.7	336.0	593.3
GR	336.0	767.0	338.0	772.7	340.0	929.5	342.0	1012.7	344.0	1019.4
GR	346.0	1023.4	348.0	1027.9	350.0	1031.1	360.0	1046.7	362.0	1051.5
GR	362.0	1124.7	360.0	1174.0	360.0	1212.8	360.0	1229.7	358.0	1236.1
GR	358.0	1312.4	360.0	1327.9	362.0	1354.8	364.0	1367.3		
NC	0.085	0.06	0.03							
ET		6.1	8.1			344.8	800.0	371.0	720	
X1	592	57.0	443.9	597.6	375.0	385.0	380.0			
GR	370.0	130.6	368.0	136.8	366.0	139.9	364.0	191.1	362.0	195.4
GR	360.0	202.2	360.0	222.8	362.0	241.9	364.0	302.7	364.0	344.8
GR	362.0	348.7	360.0	350.8	350.0	371.6	348.0	375.7	346.0	380.7
GR	344.0	395.9	342.0	402.9	340.0	408.7	338.0	443.9	336.0	467.1
GR	336.0	563.3	338.0	572.4	338.0	581.7	338.0	597.6	340.0	602.0
GR	340.0	671.2	340.0	724.3	342.0	747.9	344.0	751.6	346.0	756.9
GR	348.0	760.9	349.9	777.6	352.0	786.1	354.0	792.1	358.0	816.9
GR	360.0	823.8	362.0	905.7	364.0	928.2	364.0	966.1	364.0	1187.2
GR	366.0	1201.8	368.0	1207.7	368.0	1228.7	366.0	1234.6	364.0	1241.2
GR	362.0	1345.3	360.0	1375.6	358.0	1382.2	356.0	1387.4	356.0	1419.4
GR	358.0	1476.4	360.0	1493.0	362.0	1501.1	364.0	1504.4	366.0	1512.4
GR	368.0	1529.3	370.0	1578.1						
NC	0.075	0.065	0.125							
ET		0	8.1					595.0	830.0	
X1	594	80.0	630.7	779.9	230.0	230.0	230.0			
GR	368.0	189.5	366.0	194.5	366.0	207.4	368.0	213.8	370.0	220.5
GR	372.0	225.8	374.0	231.6	376.0	243.5	376.0	310.6	376.0	366.8
GR	376.0	391.0	374.0	415.0	372.0	422.3	370.0	427.1	368.0	428.7
GR	366.0	431.0	364.0	562.6	362.0	564.8	360.0	571.4	350.0	596.8
GR	348.0	609.4	346.0	613.4	344.0	617.0	342.0	630.7	340.0	637.0
GR	340.0	712.7	340.0	738.3	340.0	743.7	342.0	779.9	344.0	790.4
GR	346.0	800.8	348.0	808.4	350.0	822.9	360.0	901.4	358.0	908.6
GR	358.0	939.7	360.0	949.9	362.0	955.8	364.0	964.0	364.0	994.9
GR	362.0	1004.8	360.0	1014.2	358.0	1025.8	356.0	1057.6	356.0	1075.6
GR	358.0	1082.9	360.0	1086.9	362.0	1091.8	364.0	1098.9	366.0	1107.1
GR	368.0	1111.3	370.0	1116.3	370.0	1123.9	368.0	1148.6	366.0	1153.0
GR	364.0	1164.1	364.0	1432.2	364.0	1449.6	364.0	1466.1	366.0	1605.9
GR	368.0	1611.6	370.0	1615.0	370.0	1633.0	368.0	1637.6	366.0	1642.8
GR	364.0	1669.4	364.0	1683.8	364.0	1718.7	362.0	1724.1	360.0	1731.7
GR	358.0	1764.6	356.0	1819.5	356.0	1840.9	358.0	1880.0	360.0	1887.5
GR	362.0	1891.9	364.0	1899.2	366.0	1911.8	368.0	1973.0	370.0	1986.0

NC	0.075	0.065	0.125							
ET		6.1	8.1			600.0	1050.0	660.0	995.0	
X1	600	76.0	778.9	979.1	145.0	155.0	150.0			
GR	376.0	107.5	374.0	132.1	372.0	135.5	368.0	303.5	368.0	319.6
GR	370.0	325.3	372.0	329.6	374.0	335.7	376.0	341.2	378.0	346.9
GR	380.0	352.9	380.0	443.7	380.0	471.0	380.0	520.9	378.0	541.4
GR	376.0	544.6	374.0	548.5	372.0	551.8	370.0	557.8	368.0	560.1
GR	366.0	563.7	364.0	640.1	362.0	649.0	360.0	652.5	358.0	658.2
GR	356.0	665.5	354.0	675.5	352.0	693.7	350.0	706.0	348.0	714.2
GR	348.0	720.6	348.0	757.2	346.0	778.9	344.0	788.4	342.0	801.2
GR	342.0	944.1	344.0	973.4	346.0	979.1	348.0	986.4	350.0	988.7
GR	360.0	1001.5	362.0	1006.2	364.0	1020.1	366.0	1144.4	368.0	1278.3
GR	370.0	1282.7	370.0	1293.0	368.0	1297.8	366.0	1301.3	364.0	1304.6
GR	364.0	1385.5	366.0	1396.2	366.0	1412.0	364.0	1420.3	364.0	1639.3
GR	364.0	1714.3	364.0	1832.9	366.0	1845.3	368.0	1849.6	370.0	1855.1
GR	370.0	1872.1	368.0	1877.6	366.0	1885.2	364.0	1934.5	362.0	1938.2
GR	360.0	1948.6	360.0	1966.8	360.0	2011.3	358.0	2020.0	358.0	2086.0
GR	360.0	2170.5	362.0	2176.6	364.0	2184.5	366.0	2191.1	368.0	2252.7
GR	370.0	2281.2								

NC	0.075	0.065	0.125							
ET		6.1	8.1			200.0	652.3	280	645.0	
X1	610	75	319.9	622.8	295.0	355.0	315.0			
GR	390.0	103.3	390.0	133.2	388.0	139.9	382.0	151.5	380.0	156.0
GR	370.0	177.5	368.0	180.4	366.0	189.1	364.0	252.7	362.0	256.4
GR	360.0	260.7	358.0	266.5	356.0	272.8	354.0	301.5	352.0	304.8
GR	350.0	308.1	348.0	313.6	346.0	319.9	344.0	381.3	342.0	409.0
GR	342.0	604.8	344.0	615.0	346.0	622.8	348.0	626.7	350.0	630.3
GR	360.0	645.0	362.0	648.2	364.0	652.3	364.0	727.8	362.0	732.5
GR	360.0	738.6	358.0	742.9	356.0	746.9	356.0	792.1	358.0	799.0
GR	360.0	804.5	362.0	810.2	364.0	815.3	366.0	823.4	368.0	890.1
GR	368.0	914.0	366.0	923.1	366.0	959.7	368.0	969.4	368.0	1056.9
GR	366.0	1071.8	364.0	1084.5	362.0	1096.9	360.0	1103.2	350.0	1127.8
GR	348.0	1147.5	346.0	1173.3	346.0	1268.3	348.0	1275.2	350.0	1281.2
GR	360.0	1298.3	362.0	1301.8	362.0	1341.2	360.0	1381.5	350.0	1415.1
GR	348.0	1422.9	346.0	1430.3	346.0	1494.6	348.0	1515.3	348.0	1717.0
GR	348.0	1760.2	350.0	1832.6	360.0	1856.7	364.0	1860.6	362.0	1866.9
GR	366.0	1891.5	368.0	2520.0	370.0	2620.0	372.0	2740.0	374.0	2780.0

NC	0.075	0.065	0.125							
ET		6.1	8.1			250.0	750.0	330	730.0	
X1	620	63	299.2	732.0	395.0	395.0	395.0			
GR	380.0	210.5	370.0	228.8	368.0	230.7	366.0	234.4	366.0	239.9
GR	366.0	246.0	364.0	299.2	362.0	302.7	360.0	309.4	358.0	335.2
GR	356.0	341.1	354.0	343.7	352.0	348.6	350.0	415.7	348.0	421.2
GR	346.0	429.7	344.0	515.8	344.0	685.5	346.0	691.3	348.0	701.4
GR	350.0	709.6	360.0	726.0	362.0	729.1	364.0	732.0	364.0	767.8
GR	362.0	771.4	360.0	775.6	350.0	819.3	348.0	824.3	346.0	827.8
GR	346.0	846.3	346.0	966.4	344.0	971.4	344.0	1009.4	346.0	1063.6
GR	348.0	1115.1	350.0	1124.6	360.0	1185.8	362.0	1195.8	364.0	1205.6
GR	366.0	1211.1	368.0	1236.4	370.0	1308.2	370.0	1503.3	368.0	1552.5
GR	366.0	1558.4	364.0	1562.0	362.0	1567.8	360.0	1584.3	360.0	1684.8
GR	362.0	1691.5	364.0	1713.1	366.0	1722.9	366.0	1770.0	366.0	1862.4

GR	368.0	1960.0	368.0	2490.0	370.0	2518.0	372.0	2536.0	374.0	2730.0
GR	376.0	2800.0	378.0	2840.0	380.0	2875.0				
NC	0.075	0.065	0.125							
ET		6.1	8.1			300.0	804.6	380	750.0	
X1	630	60	445.6	718.0	235.0	295.0	265.0			
GR	380.0	231.4	370.0	248.4	368.0	254.6	366.0	328.7	364.0	337.7
GR	362.0	344.0	360.0	347.8	358.0	353.4	358.0	362.4	358.0	382.2
GR	356.0	395.2	354.0	426.7	352.0	433.1	350.0	438.4	348.0	445.6
GR	346.0	466.8	344.0	561.4	344.0	632.7	346.0	679.5	348.0	718.0
GR	350.0	730.2	360.0	748.4	362.0	751.9	366.0	753.5	364.0	754.7
GR	368.0	804.6	368.0	835.1	366.0	840.2	364.0	844.7	362.0	850.5
GR	360.0	855.9	356.0	865.8	350.0	881.5	348.0	901.3	346.0	918.7
GR	344.0	927.5	344.0	986.7	346.0	996.7	348.0	1015.4	348.0	1070.6
GR	348.0	1129.5	350.0	1141.8	352.0	1146.3	354.0	1258.4	356.0	1275.1
GR	358.0	1514.9	360.0	1522.3	370.0	1544.4	372.0	1576.1	372.0	1650.2
GR	370.0	1676.7	368.0	1685.7	368.0	1855.0	370.0	1966.0	370.0	2470.0
GR	372.0	2510.0	374.0	2657.0	376.0	2695.0	378.0	2745.0	380.0	2785.0
NC	0.075	0.065	0.125							
ET		0	8.1					401	600.0	
	FINAL CROSS SECTION - APPROX. 200 FT. DOWNSTREAM OF RIVERFORD BRIDGE									
X1	640	27	433.9	577.6	345.0	355.0	350.0			
GR	376.0	30.0	374.0	40.0	372.0	50.0	370.0	65.0	368.0	177.8
GR	370.0	224.7	370.0	392.0	360.0	410.6	350.0	433.9	348.0	447.6
GR	346.0	450.9	346.0	550.9	348.0	564.9	350.0	577.6	360.0	601.2
GR	362.0	621.0	364.0	656.5	366.0	694.7	368.0	731.7	370.0	757.0
GR	372.0	802.2	372.0	1053.1	370.0	1410.8	370.0	1725.0	372.0	2340.0
GR	374.0	2370.0	376.0	2490.0						

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

*PROF 1

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS
0

CCHV= .100 CEHV= .300
*SECNO 100.000
3720 CRITICAL DEPTH ASSUMED
MISSION DAM - DOWNSTREAM LIMIT OF STUDY (SUB-CRITICAL FLOW ASSUMED)

100.00	12.55	282.55	282.55	282.53	287.42	4.87	.00	.00	280.00
50000.	440.	49530.	30.	40.	2787.	4.	0.	0.	280.00
.00	10.96	17.77	8.08	.080	.180	.080	.000	270.00	313.45
.198391	0.	0.	0.	0	4	0	.00	290.21	603.66

FLOW DISTRIBUTION FOR SECNO= 100.00 CWSEL= 282.55

STA=	313.	341.	601.	604.
PER Q=	.9	99.1	.1	
AREA=	40.1	2787.5	3.8	
VEL=	11.0	17.8	8.1	
DEPTH=	1.5	10.7	1.3	

*SECNO 110.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

110.00	15.82	289.82	285.87	.00	292.22	2.40	4.55	.25	280.00
50000.	4747.	44045.	1208.	285.	3706.	98.	4.	0.	280.00
.00	16.65	11.88	12.34	.080	.180	.080	.000	274.00	282.28
.061120	45.	45.	45.	3	11	0	.00	337.95	620.24

FLOW DISTRIBUTION FOR SECNO= 110.00 CWSEL= 289.82

STA=	282.	299.	308.	314.	319.	340.	600.	620.
PER Q=	.1	.4	.7	1.1	7.1	88.1	2.4	
AREA=	15.6	24.5	28.4	34.8	181.7	3706.0	97.9	
VEL=	4.3	9.0	12.6	15.7	19.5	11.9	12.3	
DEPTH=	.9	2.8	4.8	6.8	8.8	14.2	4.9	

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

*SECNO 120.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

120.00	18.90	292.90	286.24	.00	294.45	1.55	2.15	.08	280.00
50000.	5984.	39075.	4941.	462.	4301.	396.	9.	1.	280.00
.00	12.95	9.09	12.48	.080	.180	.080	.000	274.00	286.51
.027154	55.	55.	55.	3	15	0	.00	368.62	655.13

FLOW DISTRIBUTION FOR SECNO= 120.00 CWSEL= 292.90

STA=	287.	304.	312.	319.	327.	341.	355.	603.	644.	649.	655.
PER Q=	.3	.4	.9	1.5	3.9	5.0	78.2	9.5	.3	.1	
AREA=	28.3	28.5	44.3	64.0	138.6	158.3	4301.0	366.8	19.9	9.2	
VEL=	4.5	7.4	9.8	11.9	14.0	15.8	9.1	13.0	7.2	3.7	
DEPTH=	1.6	3.9	5.9	7.9	9.9	11.9	17.3	8.9	3.9	1.5	

*SECNO 130.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

130.00	24.44	300.44	289.33	.00	301.19	.76	6.66	.08	280.00
50000.	9040.	28781.	12179.	1277.	5128.	1296.	86.	6.	280.00
.02	7.08	5.61	9.40	.080	.180	.080	.000	276.00	137.82
.007426	520.	520.	520.	5	19	0	.00	552.47	690.29

FLOW DISTRIBUTION FOR SECNO= 130.00 CWSEL= 300.44

STA=	138.	290.	325.	341.	353.	584.	600.	612.	628.	644.	683.	690.
PER Q=	3.7	6.6	3.9	3.9	57.6	7.2	4.5	4.8	4.1	3.7	.0	
AREA=	456.7	406.0	215.0	199.2	5127.6	312.9	211.0	243.9	225.7	295.8	6.4	
VEL=	4.0	8.1	9.0	9.8	5.6	11.5	10.7	9.9	9.0	6.3	1.8	
DEPTH=	3.0	11.4	13.4	17.2	22.2	19.4	17.4	15.4	13.4	7.6	.9	

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

CCHV= .030 CEHV= .050
*SECNO 140.000

140.00	28.49	304.49	290.26	.00	305.19	.70	3.99	.00	284.00
50000.	6255.	35399.	8346.	834.	6017.	929.	185.	12.	284.00
.05	7.50	5.88	8.98	.080	.180	.080	.000	276.00	157.25
.006965	555.	555.	555.	3	14	0	.00	409.05	566.30

FLOW DISTRIBUTION FOR SECNO= 140.00 CWSEL= 304.49

STA=	157.	209.	230.	243.	482.	498.	508.	547.	566.
PER Q=	4.3	3.8	4.4	70.8	6.6	3.6	6.2	.2	
AREA=	369.1	245.1	220.1	6016.5	296.2	176.6	415.2	41.1	
VEL=	5.8	7.8	10.0	5.9	11.2	10.3	7.5	3.0	
DEPTH=	7.1	11.7	17.9	25.1	19.5	17.5	10.6	2.1	

*SECNO 150.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 108.5 1200.0 TYPE= 1 TARGET= 1091.500

150.00	25.95	305.95	288.36	.00	306.20	.25	1.00	.01	290.00
50000.	1440.	25150.	23410.	674.	11447.	4324.	344.	22.	290.00
.09	2.14	2.20	5.41	.080	.160	.035	.000	280.00	186.86
.000786	555.	580.	555.	3	14	0	.00	1013.14	1200.00

FLOW DISTRIBUTION FOR SECNO= 150.00 CWSEL= 305.95

STA=	187.	274.	738.	759.	870.	1042.	1081.	1153.	1200.
PER Q=	2.9	50.3	4.0	14.4	18.9	3.5	4.4	1.7	
AREA=	674.4	11447.4	290.5	1223.2	1712.6	341.0	506.7	249.9	
VEL=	2.1	2.2	6.9	5.9	5.5	5.1	4.3	3.4	
DEPTH=	7.8	24.6	14.2	11.0	10.0	9.0	7.0	5.4	

1490 NH CARD USED
*SECNO 160.000

3265 DIVIDED FLOW

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

160.00	24.49	306.49	292.18	.00	306.59	.10	.38	.00	292.00
50000.	42430.	4574.	2995.	16347.	1768.	1798.	669.	44.	290.00
.17	2.60	2.59	1.67	.072	.080	.047	.000	282.00	354.58
.000340	900.	670.	670.	2	22	0	.00	1591.84	1987.88

FLOW DISTRIBUTION FOR SECNO= 160.00 CWSEL= 306.49

STA=	355.	497.	524.	590.	638.	1193.	1263.	1331.	1412.	1779.	1988.
PER Q=	16.6	3.6	9.3	5.6	45.0	3.1	1.9	9.1	5.4	.5	
AREA=	1890.2	634.1	1603.7	1044.7	9731.7	838.1	604.6	1768.4	1536.3	262.2	
VEL=	4.4	2.8	2.9	2.7	2.3	1.8	1.6	2.6	1.8	1.0	
DEPTH=	13.2	23.5	24.5	21.8	17.5	11.9	8.9	21.8	4.2	1.3	

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 170.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

170.00	24.61	306.61	293.99	.00	306.66	.05	.07	.00	292.00
50000.	33635.	2047.	14318.	17542.	1253.	8204.	842.	58.	290.00
.22	1.92	1.63	1.75	.060	.080	.051	.000	282.00	329.19
.000145	325.	320.	315.	2	9	0	.00	2144.81	2474.00

FLOW DISTRIBUTION FOR SECNO= 170.00 CWSEL= 306.61

STA=	329.	490.	536.	570.	744.	814.	868.	978.	1483.	1544.	1725.	1820.	1884.
PER Q=	4.0	3.3	3.6	22.3	6.1	3.4	4.8	19.8	4.1	7.9	6.6	3.4	
AREA=	1077.1	638.6	595.2	3423.7	1651.5	1050.8	1718.5	7386.2	1252.7	2829.9	1284.7	741.8	
VEL=	1.9	2.6	3.0	3.3	1.8	1.6	1.4	1.3	1.6	1.4	2.6	2.3	
DEPTH=	6.7	13.9	17.6	19.6	23.7	19.6	15.6	14.6	20.6	15.6	13.6	11.6	

STA=	1884.	1989.	2200.	2474.
PER Q=	4.1	4.7	1.9	
AREA=	1008.0	1458.5	881.3	
VEL=	2.0	1.6	1.1	
DEPTH=	9.6	6.9	3.2	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 180.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

180.00	20.65	306.65	293.03	.00	306.72	.06	.05	.00	292.00
50000.	38997.	4717.	6286.	17509.	4246.	5219.	1178.	85.	290.00
.30	2.23	1.11	1.20	.038	.080	.040	.000	286.00	453.80
.000073	529.	550.	570.	2	14	0	.00	2069.37	2523.17

FLOW DISTRIBUTION FOR SECNO= 180.00 CWSEL= 306.65

STA=	454.	608.	647.	703.	1032.	1109.	1308.	1530.	1759.	1884.	2380.	2523.
PER Q=	3.3	4.0	6.8	43.4	8.2	6.2	6.2	9.4	4.0	7.7	.8	
AREA=	1154.3	688.5	1100.7	6795.5	1401.4	3115.3	3253.4	4246.0	1315.9	3384.9	517.8	
VEL=	1.4	2.9	3.1	3.2	2.9	1.0	1.0	1.1	1.5	1.1	.8	
DEPTH=	7.5	17.7	19.7	20.7	18.2	15.7	14.7	18.5	10.5	6.8	3.6	

1490 NH CARD USED
*SECNO 190.000

3265 DIVIDED FLOW

190.00	20.68	306.68	290.51	.00	306.75	.07	.03	.00	296.00
50000.	45964.	3763.	274.	20883.	4466.	525.	1484.	106.	290.00
.36	2.20	.84	.52	.031	.080	.057	.000	286.00	433.75
.000041	505.	505.	505.	2	17	0	.00	1540.45	1985.74

FLOW DISTRIBUTION FOR SECNO= 190.00 CWSEL= 306.68

STA=	434.	541.	978.	1037.	1375.	1414.	1576.	1810.	1986.
PER Q=	3.2	43.0	5.7	33.2	3.2	3.6	7.5	.5	
AREA=	1051.6	9046.7	1203.5	6993.4	718.5	1869.4	4465.6	525.4	
VEL=	1.5	2.4	2.4	2.4	2.2	1.0	.8	.5	
DEPTH=	9.8	20.7	20.7	20.7	18.5	11.5	19.1	3.0	

1490 NH CARD USED
*SECNO 200.000

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

200.00	20.74	306.74	290.78	.00	306.81	.07	.06	.00	296.00
50000.	32505.	2923.	14572.	20541.	2140.	4680.	1927.	134.	294.00
.46	1.58	1.37	3.11	.118	.125	.042	.000	286.00	298.78
.000305	720.	740.	750.	2	17	0	.00	1805.67	2104.45

FLOW DISTRIBUTION FOR SECNO= 200.00 CWSEL= 306.74

STA=	299.	459.	976.	1203.	1407.	1440.	1563.	1637.	1696.	1771.	1908.	2104.
PER Q=	5.4	30.2	14.8	13.2	1.4	5.8	4.0	5.2	6.0	12.1	1.8	
AREA=	1017.4	10036.0	4726.8	4220.8	540.1	2140.1	814.1	740.2	890.0	1722.8	512.7	
VEL=	2.6	1.5	1.6	1.6	1.3	1.4	2.5	3.5	3.4	3.5	1.8	
DEPTH=	6.3	19.4	20.7	20.7	16.5	17.4	10.9	12.7	11.7	12.6	2.6	

1490 NH CARD USED
*SECNO 209.000

209.00	20.86	306.86	292.00	.00	306.94	.08	.13	.00	298.00
50000.	22775.	6120.	21104.	14771.	4267.	7191.	2180.	151.	294.00
.52	1.54	1.43	2.93	.122	.125	.040	.000	286.00	335.50
.000328	430.	390.	365.	2	14	0	.00	2058.47	2393.96

FLOW DISTRIBUTION FOR SECNO= 209.00 CWSEL= 306.86

STA=	335.	515.	673.	779.	1081.	1151.	1233.	1479.	1655.	1934.	2100.	2325.	2394.
PER Q=	3.0	8.0	6.7	20.6	4.4	3.0	12.2	14.6	17.0	6.9	3.5	.1	
AREA=	1054.4	2755.2	2107.6	6298.8	1386.5	1168.0	4266.6	2090.4	2752.0	1302.3	981.9	64.3	
VEL=	1.4	1.4	1.6	1.6	1.6	1.3	1.4	3.5	3.1	2.7	1.8	.6	
DEPTH=	5.9	17.4	19.9	20.9	19.9	14.2	17.4	11.9	9.9	7.9	4.4	.9	

1490 NH CARD USED
*SECNO 210.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

210.00	20.78	306.78	299.60	.00	306.98	.20	.00	.04	298.00
50000.	10285.	8978.	30737.	7180.	4247.	7118.	2185.	152.	294.00
.52	1.43	2.11	4.32	.116	.125	.040	.000	286.00	337.53
.000717	10.	10.	10.	2	14	0	.00	2053.50	2391.03

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 210.00 CWSEL= 306.78

STA=	338.	1233.	1479.	1655.	1934.	2100.	2325.	2391.
PER Q=	20.6	18.0	21.4	24.8	10.1	5.1	.1	
AREA=	7180.1	4247.2	2076.5	2729.9	1289.1	964.1	58.9	
VEL=	1.4	2.1	5.2	4.6	3.9	2.6	.9	
DEPTH=	8.0	17.3	11.8	9.8	7.8	4.3	.9	

1490 NH CARD USED
*SECNO 211.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

211.00	20.92	306.92	292.00	.00	307.00	.08	.00	.01	298.00
50000.	22727.	6106.	21166.	14822.	4281.	7244.	2190.	152.	294.00
.52	1.53	1.43	2.92	.122	.125	.040	.000	286.00	334.01
.000323	10.	10.	10.	2	14	0	.00	2062.09	2396.10

FLOW DISTRIBUTION FOR SECNO= 211.00 CWSEL= 306.92

STA=	334.	515.	673.	779.	1081.	1151.	1233.	1479.	1655.	1934.	2100.	2325.	2396.
PER Q=	3.0	7.9	6.6	20.5	4.4	3.0	12.2	14.6	17.1	7.0	3.6	.1	
AREA=	1064.8	2764.4	2113.7	6316.3	1390.5	1172.8	4280.9	2100.6	2768.2	1311.8	994.9	68.3	
VEL=	1.4	1.4	1.6	1.6	1.6	1.3	1.4	3.5	3.1	2.7	1.8	.6	
DEPTH=	5.9	17.4	19.9	20.9	19.9	14.2	17.4	11.9	9.9	7.9	4.4	1.0	

*SECNO 220.000

220.00	19.13	307.13	298.96	.00	307.27	.14	.25	.02	292.00
50000.	8658.	5215.	36127.	2821.	5740.	11141.	2614.	187.	292.00
.59	3.07	.91	3.24	.040	.200	.040	.000	288.00	413.80
.000318	830.	810.	770.	2	12	0	.00	1768.46	2182.26

FLOW DISTRIBUTION FOR SECNO= 220.00 CWSEL= 307.13

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

STA=	414.	574.	652.	736.	746.	1065.	1378.	1420.	1494.	1563.	1687.	1757.	1873.
PER Q=	4.4	4.7	7.2	1.0	10.4	34.2	3.0	3.9	3.6	6.6	3.7	6.1	
AREA=	887.2	771.4	1028.5	134.2	5740.2	4419.3	461.8	671.8	630.8	1135.5	639.0	1056.1	
VEL=	2.5	3.1	3.5	3.8	.9	3.9	3.3	2.9	2.9	2.9	2.9	2.9	
DEPTH=	5.5	10.0	12.1	14.1	18.0	14.1	10.9	9.1	9.1	9.1	9.1	9.1	

STA=	1873.	1965.	2086.	2182.
PER Q=	4.8	5.3	1.0	
AREA=	836.1	985.9	304.4	
VEL=	2.9	2.7	1.7	
DEPTH=	9.1	8.1	3.2	

*SECNO 230.000

3470 ENCROACHMENT STATIONS=		825.0	2050.0	TYPE=	1	TARGET=	1225.000		
230.00	19.25	307.25	299.47	.00	307.49	.24	.19	.03	292.00
50000.	3842.	4012.	42146.	1055.	3617.	10200.	2811.	204.	292.00
.63	3.64	1.11	4.13	.040	.200	.040	.000	288.00	825.00
.000475	465.	490.	505.	2	20	0	.00	1225.00	2050.00

FLOW DISTRIBUTION FOR SECNO= 230.00 CWSEL= 307.25

STA=	825.	902.	940.	941.	1143.	1280.	1427.	1544.	1826.	2021.	2050.
PER Q=	3.6	4.0	.2	8.0	18.7	17.7	14.0	19.5	12.9	1.6	
AREA=	573.0	459.5	22.8	3617.0	1961.2	1945.5	1542.6	2682.2	1803.3	265.5	
VEL=	3.1	4.3	3.5	1.1	4.8	4.5	4.5	3.6	3.6	3.0	
DEPTH=	7.4	12.3	14.3	17.9	14.3	13.3	13.3	9.5	9.3	9.3	

*SECNO 239.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=		2370.0	3040.0	TYPE=	1	TARGET=	670.000		
239.00	17.10	307.10	298.48	.00	308.18	1.09	.44	.25	294.00
50000.	2952.	15410.	31637.	317.	5474.	3187.	2929.	214.	294.00
.65	9.33	2.82	9.93	.040	.200	.040	.000	290.00	2370.00
.003357	400.	420.	440.	2	13	0	.00	670.00	3040.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 239.00 CWSEL= 307.10

STA=	2370.	2385.	2399.	2724.	2732.	2742.	2758.	2827.	2869.	3000.	3040.
PER Q=	2.3	3.6	30.8	1.9	2.1	2.7	14.0	10.1	26.4	6.0	
AREA=	156.8	159.7	5474.1	85.9	108.0	144.6	695.6	469.4	1314.6	368.4	
VEL=	7.4	11.3	2.8	11.1	9.9	9.4	10.1	10.7	10.1	8.2	
DEPTH=	10.3	12.1	16.8	12.1	10.1	9.1	10.1	11.1	10.1	9.1	

*SECNO 240.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

240.00	19.17	309.17	298.36	.00	309.70	.54	1.47	.05	306.00
50000.	72.	49928.	0.	11.	8491.	0.	2976.	217.	310.00
.66	6.36	5.88	.00	.040	.200	.000	.000	290.00	2511.46
.015003	195.	230.	255.	2	11	0	.00	514.77	3026.24

FLOW DISTRIBUTION FOR SECNO= 240.00 CWSEL= 309.17

STA=	2511.	2515.	2519.	3032.
PER Q=	.0	.1	99.9	
AREA=	2.1	9.1	8491.4	
VEL=	3.1	7.1	5.9	
DEPTH=	.6	2.2	16.8	

CCHV= .300 CEHV= .500
*SECNO 242.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3370 NORMAL BRIDGE, NRD= 31 MIN ELTRD= 312.00 MAX ELLC= 311.50

MAST BLVD BRIDGE (NORMAL BRIDGE ROUTINE)

242.00	19.14	309.14	298.80	.00	309.78	.64	.03	.05	306.00
50000.	25.	49975.	0.	11.	7786.	0.	2978.	217.	310.00
.66	2.27	6.42	.00	.030	.040	.000	.000	290.00	2511.56
.001091	10.	10.	10.	2	15	0	-689.77	514.46	3026.02

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

FLOW DISTRIBUTION FOR SECNO= 242.00 CWSEL= 309.14

STA=	2512.	2519.	3032.
PER Q=	.1	99.9	
AREA=	11.0	7785.8	
VEL=	2.3	6.4	
DEPTH=	1.4	15.4	

*SECNO 243.000

3370 NORMAL BRIDGE, NRD= 31 MIN ELTRD= 312.00 MAX ELLC= 311.50

243.00	19.22	309.22	298.80	.00	309.85	.63	.07	.00	313.00
50000.	0.	49963.	37.	0.	7816.	16.	2989.	218.	300.00
.66	.00	6.39	2.27	.000	.040	.030	.000	290.00	2511.32
.001075	65.	65.	65.	2	15	0	-694.21	515.24	3026.56

FLOW DISTRIBUTION FOR SECNO= 243.00 CWSEL= 309.22

STA=	2511.	3002.	3005.
PER Q=	99.9	.1	
AREA=	7816.5	16.2	
VEL=	6.4	2.3	
DEPTH=	15.9	6.2	

*SECNO 244.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

244.00	19.37	309.37	298.90	.00	309.91	.54	.02	.03	310.00
50000.	0.	50000.	0.	0.	8511.	0.	2991.	218.	310.00
.66	.00	5.87	.00	.000	.140	.000	.000	290.00	2552.74
.007522	10.	10.	10.	2	14	0	.00	521.75	3074.49

FLOW DISTRIBUTION FOR SECNO= 244.00 CWSEL= 309.37

STA=	2553.	3076.
PER Q=	100.0	
AREA=	8510.7	
VEL=	5.9	
DEPTH=	16.3	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 245.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 100.0 1515.0 TYPE= 1 TARGET= 1415.000

245.00	19.96	309.96	297.46	.00	310.32	.36	.36	.05	292.00
50000.	20710.	21639.	7652.	3207.	9180.	1648.	3036.	221.	292.00
.67	6.46	2.36	4.64	.040	.140	.055	.000	290.00	593.34
.000932	210.	165.	200.	2	17	0	.00	921.66	1515.00

FLOW DISTRIBUTION FOR SECNO= 245.00 CWSEL= 309.96

STA=	593.	760.	786.	817.	928.	1396.	1452.	1493.	1515.
PER Q=	3.5	3.2	6.3	28.4	43.3	8.7	4.4	2.2	
AREA=	568.2	287.1	454.9	1896.5	9179.7	850.9	502.7	294.3	
VEL=	3.1	5.6	6.9	7.5	2.4	5.1	4.4	3.8	
DEPTH=	3.4	11.1	15.0	17.0	19.6	15.4	12.2	13.3	

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 250.000

250.00	20.76	310.76	299.80	.00	310.93	.17	.59	.02	294.00
50000.	8419.	6929.	34652.	2076.	3455.	10608.	3297.	240.	294.00
.74	4.05	2.01	3.27	.045	.140	.067	.000	290.00	2268.53
.000668	705.	740.	790.	2	8	0	.00	1275.38	3543.91

FLOW DISTRIBUTION FOR SECNO= 250.00 CWSEL= 310.76

STA=	2269.	2461.	2551.	2567.	2741.	2947.	2973.	3001.	3023.	3054.	3089.	3130.	3185.
PER Q=	3.3	12.7	.9	13.9	10.2	3.2	3.8	3.4	4.3	3.9	3.5	4.5	
AREA=	642.5	1183.1	250.5	3455.3	3070.0	377.7	434.8	375.3	490.0	481.4	486.6	629.0	
VEL=	2.6	5.4	1.7	2.0	1.7	4.2	4.4	4.6	4.4	4.0	3.6	3.6	
DEPTH=	3.3	13.1	15.8	19.9	14.9	14.8	15.8	16.8	15.8	13.8	11.8	11.5	

STA=	3185.	3222.	3249.	3439.	3495.	3544.
PER Q=	4.4	3.0	20.9	3.4	.8	
AREA=	533.9	378.2	2610.6	531.5	208.9	
VEL=	4.1	4.0	4.0	3.2	2.0	
DEPTH=	14.5	13.8	13.8	9.5	4.3	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 260.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

260.00	17.65	311.65	306.19	.00	312.56	.90	1.41	.22	300.00
50000.	909.	10884.	38207.	363.	2561.	4538.	3575.	264.	300.00
.77	2.50	4.25	8.42	.136	.140	.055	.000	294.00	2282.62
.004312	1035.	1025.	1020.	2	14	0	.00	752.46	3035.08

FLOW DISTRIBUTION FOR SECNO= 260.00 CWSEL= 311.65

STA=	2283.	2375.	2545.	2601.	2635.	2685.	2743.	2775.	2796.	2809.	2825.	2856.	2906.
PER Q=	1.8	21.8	10.3	5.2	7.7	9.1	5.8	5.1	3.8	4.4	8.6	9.6	
AREA=	363.5	2561.1	600.7	326.2	481.6	562.7	336.6	266.9	185.7	217.1	421.8	546.8	
VEL=	2.5	4.2	8.6	8.0	8.0	8.0	8.6	9.6	10.1	10.1	10.1	8.8	
DEPTH=	3.9	15.1	10.7	9.7	9.7	9.7	10.7	12.7	13.7	13.7	13.7	11.1	

STA=	2906.	2962.	3035.
PER Q=	5.4	1.4	
AREA=	409.0	182.6	
VEL=	6.7	3.7	
DEPTH=	7.2	2.5	

1490 NH CARD USED
*SECNO 270.000

270.00	16.82	314.82	307.73	.00	315.36	.55	2.77	.04	300.00
49000.	6620.	7842.	34538.	2678.	2596.	5052.	3768.	286.	304.00
.82	2.47	3.02	6.84	.095	.140	.055	.000	298.00	1867.70
.002129	985.	965.	930.	2	11	0	.00	1283.88	3151.57

FLOW DISTRIBUTION FOR SECNO= 270.00 CWSEL= 314.82

STA=	1868.	2394.	2510.	2679.	2721.	2802.	2883.	2900.	2961.	2995.	3072.	3152.
PER Q=	8.1	5.4	16.0	5.7	15.6	18.4	3.9	16.9	5.5	3.7	.9	
AREA=	1546.3	1131.8	2595.8	454.2	1089.0	1199.9	251.8	1018.0	408.8	449.4	180.5	
VEL=	2.6	2.3	3.0	6.1	7.0	7.5	7.5	8.1	6.5	4.0	2.4	
DEPTH=	2.9	9.8	15.4	10.8	13.4	14.8	14.8	16.7	12.2	5.8	2.3	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 280.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

280.00	16.53	316.53	308.55	.00	316.70	.17	1.30	.04	306.00
49000.	6210.	2786.	40004.	4250.	1521.	11258.	4093.	320.	306.00
.91	1.46	1.83	3.55	.129	.140	.063	.000	300.00	482.86
.000829	1045.	1040.	1030.	3	11	0	.00	1549.27	2032.13

FLOW DISTRIBUTION FOR SECNO= 280.00 CWSEL= 316.53

STA=	483.	950.	958.	1060.	1242.	1340.	1370.	1408.	1502.	1570.	1635.	1690.	1800.
PER Q=	12.4	.3	5.7	5.7	7.1	3.7	4.0	8.5	7.3	6.1	4.7	13.4	
AREA=	4165.5	84.3	1521.4	1917.1	1180.3	406.0	468.3	1060.1	852.3	749.7	604.3	1488.7	
VEL=	1.5	1.5	1.8	1.5	3.0	4.4	4.1	3.9	4.2	4.0	3.8	4.4	
DEPTH=	8.9	10.5	14.9	10.5	12.0	13.5	12.3	11.3	12.5	11.5	11.0	13.5	

STA=	1800.	1830.	1850.	1933.	1995.	2032.
PER Q=	4.6	3.4	8.2	4.2	.7	
AREA=	466.0	330.7	991.3	591.1	152.2	
VEL=	4.8	5.0	4.1	3.5	2.4	
DEPTH=	15.5	16.5	11.9	9.5	4.1	

*SECNO 285.000

285.00	15.04	317.04	309.79	.00	317.20	.15	.50	.00	306.00
49000.	4435.	1793.	42771.	1924.	1174.	13069.	4351.	346.	310.00
.97	2.31	1.53	3.27	.060	.140	.055	.000	302.00	341.11
.000650	665.	670.	680.	2	14	0	.00	1805.85	2146.96

FLOW DISTRIBUTION FOR SECNO= 285.00 CWSEL= 317.04

STA=	341.	626.	707.	792.	910.	1063.	1232.	1288.	1337.	1513.	1601.	1786.	1842.
PER Q=	4.2	4.9	3.7	8.6	13.6	13.0	4.3	3.2	6.8	4.9	12.0	5.3	
AREA=	1109.2	814.5	1174.1	1240.1	1842.6	1869.6	621.7	493.1	1268.3	798.5	1836.8	701.9	
VEL=	1.8	2.9	1.5	3.4	3.6	3.4	3.4	3.2	2.6	3.0	3.2	3.7	
DEPTH=	3.9	10.0	13.7	10.6	12.0	11.0	11.0	10.0	7.2	9.0	10.0	12.5	

STA=	1842.	1982.	2136.	2147.
PER Q=	12.5	3.1	.0	
AREA=	1693.3	697.4	5.8	
VEL=	3.6	2.2	.4	
DEPTH=	12.0	4.5	.5	

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

*SECNO 290.000

3265 DIVIDED FLOW

290.00	15.51	317.51	311.73	.00	317.69	.18	.48	.01	308.00
49000.	8388.	2341.	38271.	2156.	1361.	11343.	4581.	373.	310.00
1.02	3.89	1.72	3.37	.040	.140	.055	.000	302.00	2223.99
.000872	645.	645.	645.	1	20	0	.00	1848.62	4166.36

FLOW DISTRIBUTION FOR SECNO= 290.00 CWSEL= 317.51

STA=	2224.	2460.	2545.	2655.	2759.	2834.	2932.	3041.	3091.	3243.	3411.	3646.	3701.
PER Q=	4.3	4.1	8.8	4.8	4.3	6.0	5.9	3.5	9.9	4.8	19.3	3.2	
AREA=	681.8	535.2	939.1	1360.5	639.4	865.8	888.7	480.4	1385.9	788.7	2468.7	464.9	
VEL=	3.1	3.8	4.6	1.7	3.3	3.4	3.2	3.6	3.5	3.0	3.8	3.3	
DEPTH=	2.9	6.3	8.5	13.1	8.5	8.8	8.2	9.5	9.1	4.7	10.5	8.5	

STA=	3701.	3811.	4078.	4166.
PER Q=	3.5	15.4	2.3	
AREA=	648.5	2275.8	436.7	
VEL=	2.7	3.3	2.6	
DEPTH=	5.9	8.5	4.9	

1490 NH CARD USED
*SECNO 300.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2340.0 4140.0 TYPE= 1 TARGET= 1800.000

300.00	12.24	318.24	314.09	.00	318.55	.31	.83	.04	312.00
49000.	3664.	3237.	42099.	830.	1596.	9134.	4783.	400.	314.00
1.07	4.41	2.03	4.61	.040	.140	.055	.000	306.00	2340.00
.001892	655.	660.	670.	2	11	0	.00	1645.29	4023.24

FLOW DISTRIBUTION FOR SECNO= 300.00 CWSEL= 318.24

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

STA=	2340.	2536.	2709.	2823.	2917.	2990.	3029.	3091.	3151.	3255.	3416.	3537.	3737.
PER Q=	7.5	6.6	5.4	10.9	8.4	4.6	7.1	6.0	6.7	8.2	3.0	6.7	
AREA=	830.1	1595.9	712.2	960.8	741.6	408.7	627.9	565.1	750.4	1004.5	467.6	861.4	
VEL=	4.4	2.0	3.7	5.5	5.5	5.5	5.5	5.2	4.4	4.0	3.2	3.8	
DEPTH=	4.2	9.3	6.2	10.2	10.2	10.2	10.2	9.3	7.2	6.2	3.9	4.3	

STA=	3737.	3852.	3908.	3967.	4007.	4023.
PER Q=	5.9	3.0	6.8	3.0	.1	
AREA=	722.9	364.4	602.3	315.9	27.9	
VEL=	4.0	4.1	5.5	4.7	1.8	
DEPTH=	6.2	6.6	10.2	7.9	1.7	

*SECNO 310.000

3470 ENCROACHMENT STATIONS= 2460.0 4230.0 TYPE= 1 TARGET= 1770.000
CONFLUENCE WITH SYCAMORE CREEK

310.00	11.19	319.19	313.84	.00	319.41	.22	.85	.01	314.00	
49000.	2135.	1304.	45561.	764.	959.	11907.	4957.	423.	316.00	
1.11	2.79	1.36	3.83	.040	.140	.055	.000	308.00	2460.00	
.001086	620.	610.	600.	2	14	0	.00	1766.44	4226.44	

FLOW DISTRIBUTION FOR SECNO= 310.00 CWSEL= 319.19

STA=	2460.	2698.	2822.	2944.	3016.	3085.	3160.	3297.	3422.	3550.	3687.	4070.	4130.
PER Q=	4.4	2.7	6.2	5.3	4.4	3.7	6.7	7.0	6.7	5.3	38.4	5.2	
AREA=	764.0	958.9	886.5	659.9	581.7	539.3	985.2	980.3	955.2	854.7	4246.5	611.5	
VEL=	2.8	1.4	3.4	3.9	3.7	3.3	3.3	3.5	3.4	3.0	4.4	4.2	
DEPTH=	3.2	7.7	7.3	9.2	8.4	7.2	7.2	7.8	7.5	6.2	11.1	10.2	

STA=	4130.	4191.	4226.
PER Q=	3.7	.5	
AREA=	501.3	105.4	
VEL=	3.6	2.3	
DEPTH=	8.2	3.0	

*SECNO 320.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 950.0 2300.0 TYPE= 1 TARGET= 1350.000
CONFLUENCE WITH FORRESTER CREEK

320.00	10.71	320.71	317.84	.00	321.33	.62	1.80	.12	316.00
49000.	804.	11393.	36803.	125.	2969.	5342.	5164.	452.	312.00
1.15	6.41	3.84	6.89	.040	.140	.055	.000	310.00	950.00
.006472	665.	750.	840.	2	16	0	.00	1329.07	2279.07

FLOW DISTRIBUTION FOR SECNO= 320.00 CWSEL= 320.71

STA=	950.	989.	1300.	1478.	1670.	1786.	1961.	2203.	2279.
PER Q=	1.6	23.3	18.8	19.4	9.4	10.3	14.2	2.9	
AREA=	125.4	2968.7	1194.1	1251.5	663.2	824.2	1142.8	266.5	
VEL=	6.4	3.8	7.7	7.6	6.9	6.1	6.1	5.3	
DEPTH=	3.2	9.5	6.7	6.5	5.7	4.7	4.7	3.5	

*SECNO 330.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 1280.0 2300.0 TYPE= 1 TARGET= 1020.000

330.00	11.86	323.86	318.57	.00	324.31	.45	2.96	.02	314.00
48000.	23228.	8457.	16315.	4076.	1844.	3082.	5317.	472.	314.00
1.19	5.70	4.59	5.29	.060	.085	.060	.000	312.00	1326.43
.002586	870.	780.	700.	2	14	0	.00	956.22	2282.65

FLOW DISTRIBUTION FOR SECNO= 330.00 CWSEL= 323.86

STA=	1326.	1393.	1760.	1917.	2113.	2240.	2283.
PER Q=	4.8	43.6	17.6	19.4	12.6	2.0	
AREA=	459.4	3617.0	1844.3	1734.4	1120.2	227.8	
VEL=	5.0	5.8	4.6	5.4	5.4	4.2	
DEPTH=	6.9	9.9	11.7	8.8	8.9	5.3	

*SECNO 340.000

3470 ENCROACHMENT STATIONS= 1200.0 2180.0 TYPE= 1 TARGET= 980.000

340.00	15.21	325.21	319.00	.00	325.58	.38	1.27	.01	320.00
48000.	8121.	21991.	17888.	1597.	5023.	3278.	5428.	483.	318.00
1.22	5.08	4.38	5.46	.060	.085	.060	.000	310.00	1203.68
.002399	520.	505.	505.	2	19	0	.00	976.32	2180.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 340.00 CWSEL= 325.21

STA=	1204.	1391.	1410.	1843.	1891.	2180.
PER Q=	15.7	1.2	45.8	3.2	34.0	
AREA=	1463.4	133.9	5023.5	342.1	2935.7	
VEL=	5.1	4.4	4.4	4.5	5.6	
DEPTH=	7.8	7.0	11.6	7.2	10.1	

*SECNO 345.000

3470 ENCROACHMENT STATIONS= 1210.0 2270.0 TYPE= 1 TARGET= 1060.000

345.00	13.96	325.96	320.63	.00	326.39	.43	.79	.02	322.00
48000.	12602.	25559.	9839.	2210.	5215.	1765.	5489.	490.	324.00
1.23	5.70	4.90	5.57	.060	.085	.060	.000	312.00	1210.00
.003338	320.	280.	250.	2	11	0	.00	1060.00	2270.00

FLOW DISTRIBUTION FOR SECNO= 345.00 CWSEL= 325.96

STA=	1210.	1312.	1445.	1490.	1510.	1996.	2266.	2270.
PER Q=	4.3	17.6	3.7	.7	53.2	20.3	.2	
AREA=	503.0	1294.1	327.7	85.4	5214.9	1733.9	31.4	
VEL=	4.1	6.5	5.4	3.8	4.9	5.6	2.8	
DEPTH=	4.9	9.7	7.3	4.3	10.7	6.4	7.7	

CCHV= .300 CEHV= .500
*SECNO 355.000

3470 ENCROACHMENT STATIONS= 1370.0 2370.0 TYPE= 1 TARGET= 1000.000

355.00	13.04	327.04	322.71	.00	327.55	.51	1.12	.04	322.00
48000.	11842.	30686.	5473.	2099.	5385.	868.	5546.	496.	322.00
1.25	5.64	5.70	6.31	.060	.085	.060	.000	314.00	1370.00
.004759	275.	285.	295.	2	14	0	.00	1000.00	2370.00

FLOW DISTRIBUTION FOR SECNO= 355.00 CWSEL= 327.04

STA=	1370.	1492.	1531.	1695.	1702.	1731.	2254.	2287.	2303.	2306.	2370.
PER Q=	4.7	2.8	15.1	.5	1.5	63.9	1.7	1.1	.3	8.2	
AREA=	517.2	234.8	1156.7	44.7	146.0	5385.1	166.2	94.8	24.1	582.8	
VEL=	4.4	5.7	6.3	5.5	5.0	5.7	5.0	5.6	6.1	6.8	
DEPTH=	4.2	6.0	7.0	6.0	5.0	10.3	5.0	6.0	8.0	9.0	

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

*SECNO 356.000

3470 ENCROACHMENT STATIONS= 1340.0 2290.0 TYPE= 1 TARGET= 950.000

356.00	12.43	328.43	325.38	.00	329.29	.86	1.57	.17	316.00
48000.	11547.	35451.	1002.	1918.	4505.	136.	5589.	502.	320.00
1.25	6.02	7.87	7.36	.060	.085	.060	.000	316.00	1340.00
.008642	250.	250.	250.	2	15	0	.00	950.00	2290.00

FLOW DISTRIBUTION FOR SECNO= 356.00 CWSEL= 328.43

STA=	1340.	1497.	1678.	1813.	1836.	2258.	2290.
PER Q=	8.8	6.8	4.1	4.4	73.9	2.1	
AREA=	694.3	623.4	391.3	208.7	4505.1	136.2	
VEL=	6.1	5.2	5.0	10.1	7.9	7.4	
DEPTH=	4.4	3.4	2.9	9.2	10.7	4.3	

SPECIAL BRIDGE

SB XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
.90	1.60	2.75	.00	450.00	77.00	3112.00	2.00	318.00	318.00

*SECNO 358.000
BTCARD BRIDGE STENCL= 1340.00 STENCR= 2300.00
6870 D.S. ENERGY OF 329.29 IS HIGHER THAN COMPUTED ENERGY OF 328.59

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
328.59	328.57	.01	40063.	7911.	3112.	3112.	326.00	324.00	442.

3470 ENCROACHMENT STATIONS= 1340.0 2300.0 TYPE= 1 TARGET= 960.000
CARLTON HILLS BLVD BRIDGE (SPECIAL BRIDGE ROUTINE)

358.00	12.06	328.06	.00	.00	329.29	1.23	.00	.00	316.00
48000.	6928.	41055.	17.	1891.	4321.	7.	5598.	503.	326.00
1.26	3.66	9.50	2.40	.060	.040	.030	.000	316.00	1340.00
.003023	65.	65.	65.	3	0	8	.00	960.00	2300.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 358.00 CWSEL= 328.06

STA=	1340.	1497.	1678.	1788.	1795.	1813.	1822.	1829.	1850.	2278.	2284.	2300.
PER Q=	4.5	3.3	1.0	.1	.8	.6	.8	3.2	85.5	.0	.0	
AREA=	636.8	556.7	225.4	21.8	94.7	62.9	63.4	229.0	4320.5	6.1	1.0	
VEL=	3.4	2.9	2.2	2.8	4.0	4.9	5.8	6.7	9.5	2.7	.4	
DEPTH=	4.1	3.1	2.1	3.1	5.1	7.1	9.1	11.1	10.1	1.1	.1	

*SECNO 360.000

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 1530.0 2600.0 TYPE= 1 TARGET= 1070.000

360.00	13.95	329.95	323.27	.00	330.30	.35	.75	.26	320.00
48000.	37141.	8473.	2386.	7283.	2302.	1068.	5664.	511.	320.00
1.28	5.10	3.68	2.23	.060	.085	.085	.000	316.00	1530.00
.001662	335.	345.	355.	2	14	0	.00	1070.00	2600.00

FLOW DISTRIBUTION FOR SECNO= 360.00 CWSEL= 329.95

STA=	1530.	1879.	1920.	2012.	2113.	2187.	2383.	2600.
PER Q=	36.2	5.4	15.4	13.2	7.2	17.7	5.0	
AREA=	3580.7	489.9	1270.0	1204.5	738.2	2301.8	1068.0	
VEL=	4.9	5.3	5.8	5.3	4.7	3.7	2.2	
DEPTH=	10.3	11.9	13.8	11.9	9.9	11.7	4.9	

CCHV= .100 CEHV= .300
*SECNO 370.000

3470 ENCROACHMENT STATIONS= 1470.0 2820.0 TYPE= 1 TARGET= 1350.000

370.00	12.57	330.57	324.06	.00	330.80	.23	.49	.01	320.00
48000.	35160.	3677.	9164.	8329.	1138.	3760.	5759.	521.	320.00
1.30	4.22	3.23	2.44	.060	.085	.085	.000	318.00	1470.00
.001206	345.	345.	350.	2	18	0	.00	1344.56	2814.56

FLOW DISTRIBUTION FOR SECNO= 370.00 CWSEL= 330.57

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

STA=	1470.	1542.	1590.	1630.	1725.	1835.	2155.	2204.	2234.	2326.	2642.	2740.	2815.
PER Q=	5.0	4.4	4.2	11.6	11.7	29.1	4.5	2.8	7.7	14.4	3.6	1.0	
AREA=	674.2	510.4	460.4	1194.0	1272.5	3377.6	518.9	321.3	1137.7	2718.3	741.7	299.6	
VEL=	3.6	4.1	4.4	4.6	4.4	4.1	4.1	4.1	3.2	2.6	2.3	1.6	
DEPTH=	9.4	10.6	11.6	12.6	11.6	10.6	10.6	10.6	12.3	8.6	7.6	4.0	

*SECNO 380.000

3470 ENCROACHMENT STATIONS=	1540.0	2960.0	TYPE=	1	TARGET=	1420.000			
380.00	12.97	330.97	324.77	.00	331.20	.23	.40	.00	320.00
48000.	33764.	2402.	11834.	8047.	704.	4449.	5856.	531.	320.00
1.33	4.20	3.41	2.66	.060	.085	.085	.000	318.00	1540.00
.001305	320.	320.	320.	2	11	0	.00	1420.00	2960.00

FLOW DISTRIBUTION FOR SECNO= 380.00 CWSEL= 330.97

STA=	1540.	1758.	1793.	1860.	1931.	1968.	2064.	2199.	2262.	2381.	2436.	2585.	2817.
PER Q=	17.4	4.5	6.9	7.2	3.7	8.3	3.9	6.4	12.0	5.0	7.8	11.8	
AREA=	2054.6	441.0	746.4	784.7	399.5	959.5	660.1	700.2	1301.5	703.7	1355.1	2083.8	
VEL=	4.1	4.9	4.5	4.4	4.4	4.1	2.9	4.4	4.4	3.4	2.8	2.7	
DEPTH=	9.4	12.8	11.2	11.0	11.0	10.0	4.9	11.0	11.0	12.7	9.1	9.0	

STA=	2817.	2918.	2960.
PER Q=	4.2	.8	
AREA=	803.0	207.0	
VEL=	2.5	1.9	
DEPTH=	8.0	4.9	

*SECNO 390.000

3470 ENCROACHMENT STATIONS=	1680.0	2740.0	TYPE=	1	TARGET=	1060.000			
390.00	13.74	331.74	326.44	.00	332.14	.40	.89	.05	324.00
48000.	32610.	6858.	8531.	5801.	1658.	2617.	5995.	546.	324.00
1.35	5.62	4.14	3.26	.060	.085	.085	.000	318.00	1680.00
.002339	520.	520.	520.	2	23	0	.00	1060.00	2740.00

FLOW DISTRIBUTION FOR SECNO= 390.00 CWSEL= 331.74

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

STA=	1680.	1728.	1775.	1781.	1822.	1859.	1862.	1908.	2195.	2220.	2250.	2402.	2740.
PER Q=	4.7	5.2	.8	7.1	7.3	.5	6.0	31.8	2.3	2.3	14.3	17.8	
AREA=	467.7	457.9	64.5	522.5	508.5	38.2	494.2	2796.2	218.6	232.3	1657.9	2617.1	
VEL=	4.8	5.5	5.6	6.5	6.9	5.8	5.8	5.5	5.1	4.7	4.1	3.3	
DEPTH=	9.7	9.7	10.7	12.7	13.7	12.7	10.7	9.7	8.7	7.7	10.9	7.7	

*SECNO 400.000

3470 ENCROACHMENT STATIONS= 1749.0 2605.0 TYPE= 1 TARGET= 856.000

DOWNSTREAM END MISSION CREEK DEVELOPMENT

400.00	14.86	332.86	323.70	.00	333.16	.30	1.00	.01	320.00
48000.	5050.	40249.	2701.	987.	9576.	504.	6137.	559.	320.00
1.39	5.12	4.20	5.36	.040	.075	.040	.000	318.00	1749.00
.001257	705.	540.	495.	2	14	0	.00	856.00	2605.00

FLOW DISTRIBUTION FOR SECNO= 400.00 CWSEL= 332.86

STA=	1749.	1793.	1858.	1878.	2532.	2557.	2605.
PER Q=	4.2	3.6	2.7	83.9	3.8	1.8	
AREA=	384.0	394.0	208.6	9575.7	282.0	221.7	
VEL=	5.2	4.4	6.3	4.2	6.5	3.9	
DEPTH=	8.8	6.0	10.6	14.6	11.1	4.6	

1490 NH CARD USED
*SECNO 410.000

3470 ENCROACHMENT STATIONS= 2970.0 3720.0 TYPE= 1 TARGET= 750.000

410.00	15.65	333.65	324.11	.00	334.00	.35	.83	.02	320.00
48000.	2801.	42632.	2568.	578.	8982.	501.	6307.	572.	320.00
1.43	4.84	4.75	5.12	.040	.065	.040	.000	318.00	2970.00
.001118	672.	700.	726.	2	18	0	.00	750.00	3720.00

FLOW DISTRIBUTION FOR SECNO= 410.00 CWSEL= 333.65

STA=	2970.	3054.	3065.	3646.	3668.	3720.
PER Q=	3.8	2.1	88.8	3.4	2.0	
AREA=	429.2	149.2	8982.0	254.1	247.0	
VEL=	4.2	6.7	4.7	6.3	3.9	
DEPTH=	5.1	12.6	15.5	11.7	4.7	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 415.000

3470 ENCROACHMENT STATIONS=		3200.0	3945.0	TYPE=	1	TARGET=	745.000		
415.00	16.47	334.47	324.08	.00	334.77	.30	.76	.01	320.00
48000.	2283.	42196.	3521.	465.	9877.	705.	6496.	585.	320.00
1.48	4.91	4.27	4.99	.040	.065	.040	.000	318.00	3200.00
.000859	765.	780.	800.	2	18	0	.00	745.00	3945.00

FLOW DISTRIBUTION FOR SECNO= 415.00 CWSEL= 334.47

STA=	3200.	3245.	3252.	3865.	3895.	3945.
PER Q=	3.5	1.3	87.9	4.6	2.7	
AREA=	365.4	99.7	9877.0	378.8	326.5	
VEL=	4.6	6.0	4.3	5.9	4.0	
DEPTH=	8.1	13.5	16.1	12.6	6.5	

1490 NH CARD USED
*SECNO 420.000

3470 ENCROACHMENT STATIONS=		3378.9	4065.0	TYPE=	1	TARGET=	686.100		
420.00	16.92	334.92	325.37	.00	335.34	.42	.53	.04	320.00
48000.	3536.	39702.	4762.	525.	8251.	694.	6609.	593.	320.00
1.51	6.74	4.81	6.86	.040	.075	.040	.000	318.00	3404.69
.001490	480.	480.	480.	2	14	0	.00	660.31	4065.00

FLOW DISTRIBUTION FOR SECNO= 420.00 CWSEL= 334.92

STA=	3405.	3455.	3467.	3989.	4009.	4032.	4065.
PER Q=	4.4	3.0	82.7	4.8	3.6	1.5	
AREA=	351.0	174.0	8250.5	278.4	247.9	167.6	
VEL=	6.0	8.2	4.8	8.3	7.0	4.4	
DEPTH=	7.0	13.9	15.8	13.9	10.8	5.1	

*SECNO 421.000

3301 HV CHANGED MORE THAN HVINS

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

421.00	10.98	334.98	331.64	.00	336.66	1.69	.95	.38	325.00
48000.	2496.	45230.	273.	245.	4329.	41.	6670.	598.	328.00
1.52	10.19	10.45	6.69	.040	.050	.040	.000	324.00	2612.20
.005157	375.	375.	375.	2	14	0	.00	448.16	3060.37

FLOW DISTRIBUTION FOR SECNO= 421.00 CWSEL= 334.98

STA=	2612.	2618.	2625.	2628.	2640.	2650.	3049.	3053.	3056.	3059.	3060.
PER Q=	.0	.4	.3	2.2	2.3	94.2	.3	.2	.0	.0	
AREA=	6.9	27.9	18.5	100.6	91.0	4328.8	20.9	14.3	4.8	.9	
VEL=	3.3	6.5	7.8	10.6	11.9	10.4	8.0	6.1	3.5	1.5	
DEPTH=	1.2	4.0	6.0	8.0	9.5	10.8	6.0	4.0	2.0	.5	

CCHV= .300 CEHV= .500
*SECNO 422.000

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 53 MIN ELTRD= 344.00 MAX ELLC= 342.00

CUYAMACA BRIDGE - UPSTREAM END OF MISSION CREEK DEVELOPMENT
(NORMAL BRIDGE ROUTINE)

422.00	10.44	334.44	332.77	.00	337.32	2.88	.06	.60	326.00
48000.	1541.	46032.	427.	149.	3347.	68.	6671.	598.	326.00
1.52	10.32	13.75	6.28	.040	.030	.040	.000	324.00	2613.66
.006428	10.	10.	10.	2	12	0	-800.78	445.74	3059.41

FLOW DISTRIBUTION FOR SECNO= 422.00 CWSEL= 334.44

STA=	2614.	2618.	2628.	2645.	3045.	3049.	3053.	3056.	3059.	3059.
PER Q=	.0	.2	3.0	95.9	.4	.3	.2	.0	.0	
AREA=	4.3	16.9	128.1	3346.9	32.8	19.1	12.4	3.5	.2	
VEL=	2.2	4.8	11.3	13.8	5.4	8.4	6.2	3.2	1.0	
DEPTH=	1.1	1.7	7.4	8.4	7.4	5.4	3.4	1.4	.2	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
423.00	11.48	335.48	332.76	.00	337.84	2.35	.36	.16	326.00
48000.	1678.	45821.	501.	176.	3681.	84.	6676.	598.	326.00
1.52	9.54	12.45	5.96	.040	.030	.040	.000	324.00	4610.83
.004874	65.	65.	65.	3	9	0	-886.37	450.44	5061.26

*SECNO 423.000

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 53 MIN ELTRD= 344.00 MAX ELLC= 342.00

FLOW DISTRIBUTION FOR SECNO= 423.00 CWSEL= 335.48

STA=	4611.	4615.	4618.	4628.	4645.	5045.	5049.	5053.	5056.	5059.	5061.
PER Q=	.0	.0	.2	3.3	95.5	.4	.4	.2	.0	.0	
AREA=	3.0	6.9	20.1	145.9	3680.7	37.3	22.7	16.1	6.0	2.0	
VEL=	2.0	2.6	4.4	10.7	12.4	4.9	8.2	6.4	4.0	1.9	
DEPTH=	.7	2.5	2.0	8.5	9.2	8.5	6.5	4.5	2.5	.7	

1490 NH CARD USED
*SECNO 424.000

424.00	10.18	336.18	333.45	.00	338.04	1.86	.06	.15	326.00
48000.	1281.	44712.	2007.	164.	4032.	221.	6677.	599.	326.00
1.52	7.81	11.09	9.10	.050	.050	.050	.000	326.00	4627.73
.006311	10.	10.	10.	3	14	0	.00	462.23	5089.96

FLOW DISTRIBUTION FOR SECNO= 424.00 CWSEL= 336.18

STA=	4628.	4659.	5055.	5070.	5090.
PER Q=	2.7	93.1	3.0	1.2	
AREA=	163.9	4031.7	140.1	80.4	
VEL=	7.8	11.1	10.3	7.0	
DEPTH=	5.3	10.2	9.2	4.1	

1490 NH CARD USED
*SECNO 425.000

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

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=		4365.0	5270.0	TYPE=	1	TARGET=	905.000		
425.00	12.72	338.72	333.13	.00	339.19	.48	.74	.41	328.00
48000.	20635.	17356.	10009.	3531.	3806.	1574.	6714.	602.	328.00
1.53	5.84	4.56	6.36	.045	.075	.045	.000	326.00	4365.00
.001849	285.	225.	215.	2	19	0	.00	905.00	5270.00

FLOW DISTRIBUTION FOR SECNO= 425.00 CWSEL= 338.72

STA=	4365.	4372.	4382.	4456.	4627.	4806.	5113.	5270.
PER Q=	.0	.3	4.0	15.2	23.5	36.2	20.9	
AREA=	9.9	37.5	427.7	1314.3	1741.4	3805.9	1574.2	
VEL=	1.8	3.4	4.5	5.5	6.5	4.6	6.4	
DEPTH=	1.5	3.7	5.7	7.7	9.7	12.4	10.0	

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 430.000

3470 ENCROACHMENT STATIONS=		4540.0	6200.0	TYPE=	1	TARGET=	1660.000		
430.00	13.61	339.61	334.34	.00	339.97	.36	.77	.01	328.00
48000.	11260.	10256.	26483.	3462.	2454.	4772.	6821.	617.	328.00
1.56	3.25	4.18	5.55	.045	.075	.045	.000	326.00	4540.00
.001412	495.	470.	465.	2	14	0	.00	1660.00	6200.00

FLOW DISTRIBUTION FOR SECNO= 430.00 CWSEL= 339.61

STA=	4540.	5036.	5323.	5505.	5521.	5705.	5850.	6200.
PER Q=	5.7	6.3	9.7	1.8	21.4	16.5	38.6	
AREA=	1163.1	1034.7	1112.0	152.5	2453.5	1406.6	3365.4	
VEL=	2.3	2.9	4.2	5.6	4.2	5.6	5.5	
DEPTH=	2.3	3.6	6.1	9.8	13.3	9.7	9.6	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 440.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4030.0 5760.0 TYPE= 1 TARGET= 1730.000

440.00	12.57	340.57	337.09	.00	341.14	.56	1.10	.06	330.00
46000.	27332.	12914.	5754.	4372.	2140.	1248.	6936.	638.	330.00
1.59	6.25	6.03	4.61	.045	.075	.045	.000	328.00	4030.00
.003251	535.	545.	550.	2	23	0	.00	1730.00	5760.00

FLOW DISTRIBUTION FOR SECNO= 440.00 CWSEL= 340.57

STA=	4030.	4525.	4719.	5052.	5085.	5107.	5119.	5292.	5311.	5369.	5443.	5760.
PER Q=	4.6	3.8	39.3	6.9	3.3	1.6	28.1	3.0	3.5	3.5	2.6	
AREA=	736.1	499.3	2499.9	347.9	192.1	96.6	2140.1	172.0	289.1	317.6	469.6	
VEL=	2.8	3.5	7.2	9.1	7.8	7.6	6.0	8.1	5.5	5.0	2.5	
DEPTH=	1.5	2.6	7.5	10.6	8.6	8.5	12.4	9.0	5.0	4.3	1.5	

1490 NH CARD USED
*SECNO 450.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4030.0 5680.0 TYPE= 1 TARGET= 1650.000

450.00	13.22	341.22	334.54	.00	341.65	.43	.50	.01	330.00
46000.	7100.	38473.	428.	3569.	6768.	466.	7054.	658.	330.00
1.62	1.99	5.68	.92	.055	.030	.055	.000	328.00	4193.38
.000423	575.	530.	545.	2	11	0	.00	1486.62	5680.00

FLOW DISTRIBUTION FOR SECNO= 450.00 CWSEL= 341.22

STA=	4193.	4641.	4820.	4865.	5378.	5680.
PER Q=	7.0	7.3	1.1	83.6	.9	
AREA=	1808.6	1481.8	278.5	6768.3	465.6	
VEL=	1.8	2.3	1.9	5.7	.9	
DEPTH=	4.0	8.3	6.3	13.2	1.5	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 460.000

3470 ENCROACHMENT STATIONS= 4025.0 5620.0 TYPE= 1 TARGET= 1595.000

460.00	13.51	341.51	333.19	.00	341.81	.29	.15	.01	330.00
46000.	3030.	42547.	422.	2359.	9446.	510.	7173.	674.	330.00
1.65	1.28	4.50	.83	.055	.030	.055	.000	328.00	4032.84
.000260	480.	440.	425.	2	18	0	.00	1587.16	5620.00

FLOW DISTRIBUTION FOR SECNO= 460.00 CWSEL= 341.51

STA=	4033.	4582.	4626.	5331.	5620.
PER Q=	5.6	1.0	92.5	.9	
AREA=	2069.2	289.6	9446.0	510.0	
VEL=	1.2	1.5	4.5	.8	
DEPTH=	3.8	6.6	13.4	1.8	

1490 NH CARD USED
*SECNO 470.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3700.0 5310.0 TYPE= 1 TARGET= 1610.000

470.00	13.70	341.70	337.47	.00	342.25	.56	.36	.08	330.00
46000.	34104.	11301.	595.	5703.	1873.	113.	7311.	697.	330.00
1.67	5.98	6.03	5.24	.045	.070	.045	.000	328.00	3710.36
.002639	790.	480.	430.	1	15	0	.00	1361.61	5167.89

FLOW DISTRIBUTION FOR SECNO= 470.00 CWSEL= 341.70

STA=	3710.	4279.	4346.	4372.	4424.	4459.	4698.	4837.	4914.	5002.	5146.	5168.
PER Q=	9.8	9.1	4.4	11.0	3.1	8.5	5.4	6.1	16.8	24.6	1.3	
AREA=	1419.4	575.0	260.0	587.3	239.9	649.5	563.1	468.4	940.7	1873.0	113.5	
VEL=	3.2	7.3	7.7	8.6	5.9	6.0	4.4	6.0	8.2	6.0	5.2	
DEPTH=	2.5	8.7	9.7	11.5	6.7	2.7	4.0	6.1	10.7	13.0	5.2	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 480.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 2870.0 4250.0 TYPE= 1 TARGET= 1380.000

480.00	13.90	343.90	343.90	.00	345.96	2.06	1.40	.45	340.00
46000.	6049.	39621.	330.	1220.	3233.	74.	7353.	705.	340.00
1.68	4.96	12.25	4.48	.045	.070	.045	.000	330.00	2870.00
.011345	305.	280.	280.	0	5	0	.00	1096.92	4186.74

FLOW DISTRIBUTION FOR SECNO= 480.00 CWSEL= 343.90

STA=	2870.	3362.	3873.	4125.	4187.
PER Q=	10.9	2.3	86.1	.7	
AREA=	932.0	288.1	3233.1	73.6	
VEL=	5.4	3.6	12.3	4.5	
DEPTH=	1.9	.6	12.8	1.2	

1490 NH CARD USED
*SECNO 483.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2900.0 4240.0 TYPE= 1 TARGET= 1340.000

483.00	15.96	345.96	344.09	.00	346.74	.78	.66	.13	340.00
46000.	14528.	28589.	2883.	2996.	3512.	528.	7366.	708.	340.00
1.68	4.85	8.14	5.46	.045	.070	.045	.000	330.00	2900.00
.004254	100.	100.	105.	3	5	0	.00	1340.00	4240.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 483.00 CWSEL= 345.96

STA=	2900.	3360.	3450.	3817.	3855.	4098.	4163.	4240.
PER Q=	21.1	3.5	5.2	1.8	62.1	4.1	2.2	
AREA=	1815.1	319.4	713.9	147.7	3511.7	305.8	222.2	
VEL=	5.4	5.0	3.4	5.5	8.1	6.1	4.5	
DEPTH=	4.0	3.5	2.0	3.8	14.4	4.7	2.9	

*SECNO 484.000

3470 ENCROACHMENT STATIONS= 2920.0 4190.0 TYPE= 1 TARGET= 1270.000

484.00	16.57	346.57	344.90	.00	347.31	.74	.57	.00	342.00
46000.	21120.	21442.	3437.	3391.	2816.	542.	7384.	711.	342.00
1.69	6.23	7.61	6.34	.045	.070	.045	.000	330.00	2920.00
.005626	110.	115.	160.	2	10	0	.00	1270.00	4190.00

FLOW DISTRIBUTION FOR SECNO= 484.00 CWSEL= 346.57

STA=	2920.	2965.	3370.	3473.	3651.	3795.	4061.	4190.
PER Q=	2.7	27.4	4.6	4.6	6.5	46.6	7.5	
AREA=	200.1	1848.9	367.3	458.8	516.0	2816.2	542.3	
VEL=	6.3	6.8	5.8	4.7	5.8	7.6	6.3	
DEPTH=	4.4	4.6	3.6	2.6	3.6	10.6	4.2	

*SECNO 485.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2920.0 4180.0 TYPE= 1 TARGET= 1260.000
CHUBB LANE CROSSING

485.00	6.34	346.34	345.55	.00	347.52	1.18	.08	.13	342.00
46000.	28647.	12983.	4370.	3194.	1631.	477.	7386.	712.	342.00
1.69	8.97	7.96	9.17	.045	.070	.045	.000	340.00	2920.00
.012562	10.	10.	10.	2	22	0	.00	1260.00	4180.00

FLOW DISTRIBUTION FOR SECNO= 485.00 CWSEL= 346.34

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

STA=	2920.	2965.	3370.	3473.	3651.	3795.	4061.	4180.
PER Q=	3.7	37.7	6.2	5.9	8.7	28.2	9.5	
AREA=	189.9	1757.8	344.1	418.6	483.4	1630.6	476.7	
VEL=	9.1	9.9	8.3	6.5	8.3	8.0	9.2	
DEPTH=	4.2	4.3	3.3	2.3	3.3	6.1	4.0	

*SECNO 486.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=	2920.0	4180.0	TYPE=	1	TARGET=	1260.000			
486.00	17.01	347.01	344.97	.00	347.65	.63	.07	.05	342.00
46000.	22302.	20363.	3336.	3774.	2933.	555.	7387.	712.	342.00
1.69	5.91	6.94	6.01	.045	.070	.045	.000	330.00	2920.00
.004433	10.	10.	10.	3	19	0	.00	1260.00	4180.00

FLOW DISTRIBUTION FOR SECNO= 486.00 CWSEL= 347.01

STA=	2920.	2965.	3370.	3473.	3651.	3795.	4061.	4180.
PER Q=	2.8	28.4	5.0	5.3	7.0	44.3	7.3	
AREA=	220.0	2025.8	412.3	536.8	579.1	2932.6	555.3	
VEL=	5.9	6.4	5.5	4.6	5.5	6.9	6.0	
DEPTH=	4.8	5.0	4.0	3.0	4.0	11.0	4.7	

1490 NH CARD USED
*SECNO 490.000

3470 ENCROACHMENT STATIONS=	3060.0	4120.0	TYPE=	1	TARGET=	1060.000			
490.00	17.60	347.60	344.97	.00	348.30	.71	.63	.02	336.00
46000.	29673.	12939.	3388.	4390.	1746.	1215.	7417.	717.	336.00
1.70	6.76	7.41	2.79	.040	.070	.093	.000	330.00	3060.00
.003018	175.	175.	175.	3	13	0	.00	1060.00	4120.00

FLOW DISTRIBUTION FOR SECNO= 490.00 CWSEL= 347.60

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

STA=	3060.	3464.	3544.	3616.	3687.	3749.	3774.	3798.	3905.	4001.	4120.
PER Q=	31.3	6.3	5.6	5.5	7.6	3.3	4.9	28.1	4.8	2.6	
AREA=	2259.6	448.8	402.9	395.1	453.3	193.7	236.5	1746.2	590.2	624.6	
VEL=	6.4	6.4	6.4	6.4	7.7	7.9	9.4	7.4	3.7	1.9	
DEPTH=	5.6	5.6	5.6	5.6	7.3	7.6	10.0	16.2	6.2	5.3	

1490 NH CARD USED
*SECNO 500.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3430.0 4190.0 TYPE= 1 TARGET= 760.000

500.00	18.41	348.41	340.90	.00	348.87	.47	.55	.02	334.00
45000.	9276.	24936.	10789.	2206.	4232.	1949.	7508.	727.	334.00
1.72	4.20	5.89	5.54	.030	.040	.030	.000	330.00	3430.00
.000546	495.	510.	525.	2	14	0	.00	760.00	4190.00

FLOW DISTRIBUTION FOR SECNO= 500.00 CWSEL= 348.41

STA=	3430.	3696.	3742.	3767.	4005.	4024.	4113.	4140.	4175.	4190.
PER Q=	12.1	4.1	4.4	55.4	3.1	9.6	3.4	6.1	1.8	
AREA=	1502.6	388.3	315.1	4231.8	226.6	840.9	280.6	439.2	161.9	
VEL=	3.6	4.8	6.2	5.9	6.2	5.2	5.5	6.2	4.9	
DEPTH=	5.7	8.4	12.6	17.7	12.5	9.4	10.4	12.4	11.0	

1490 NH CARD USED
*SECNO 507.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

507.00	14.46	348.46	342.94	.00	349.44	.97	.41	.15	342.00
45000.	434.	43284.	1282.	330.	5399.	267.	7586.	739.	342.00
1.74	1.31	8.02	4.80	.035	.040	.040	.000	334.00	1724.40
.001599	510.	470.	450.	2	11	0	.00	1280.19	4340.90

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 507.00 CWSEL= 348.46

STA=	1724.	3861.	4290.	4341.
PER Q=	1.0	96.2	2.8	
AREA=	330.4	5398.6	266.9	
VEL=	1.3	8.0	4.8	
DEPTH=	.2	12.6	5.2	

CCHV= .300 CEHV= .500
*SECNO 508.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3370 NORMAL BRIDGE, NRD= 49 MIN ELTRD= 352.00 MAX ELLC= 352.00

MAGNOLIA AVE BRIDGE (NORMAL BRIDGE ROUTINE)

508.00	14.24	348.24	343.81	.00	349.71	1.47	.02	.25	342.00
45000.	282.	43411.	1307.	149.	4402.	212.	7588.	739.	342.00
1.74	1.89	9.86	6.18	.040	.030	.040	.000	334.00	2993.81
.003368	10.	10.	10.	2	12	0	-941.96	1009.63	4340.11

FLOW DISTRIBUTION FOR SECNO= 508.00 CWSEL= 348.24

STA=	2994.	3861.	4290.	4340.
PER Q=	.6	96.5	2.9	
AREA=	149.3	4401.9	211.5	
VEL=	1.9	9.9	6.2	
DEPTH=	.2	10.3	4.2	

*SECNO 509.000

3265 DIVIDED FLOW

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

3370 NORMAL BRIDGE, NRD= 49 MIN ELTRD= 352.00 MAX ELLC= 352.00

509.00	14.63	348.63	343.83	.00	349.96	1.33	.21	.04	336.00
45000.	2157.	42568.	274.	613.	4489.	57.	7595.	741.	342.00
1.74	3.52	9.48	4.79	.040	.030	.040	.000	334.00	2866.31
.003023	65.	65.	65.	2	12	0	-974.52	1176.70	4341.46

FLOW DISTRIBUTION FOR SECNO= 509.00 CWSEL= 348.63

STA=	2866.	3889.	4322.	4341.
PER Q=	4.8	94.6	.6	
AREA=	612.8	4488.9	57.3	
VEL=	3.5	9.5	4.8	
DEPTH=	.6	10.4	3.0	

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 510.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3864.3 4357.7 TYPE= 1 TARGET= 493.400

510.00	17.14	349.14	342.66	.00	350.02	.88	.02	.05	342.00
45000.	347.	44008.	645.	91.	5792.	166.	7596.	741.	341.00
1.74	3.82	7.60	3.89	.040	.040	.040	.000	332.00	3864.30
.001326	10.	10.	10.	2	19	0	.00	493.40	4357.70

FLOW DISTRIBUTION FOR SECNO= 510.00 CWSEL= 349.14

STA=	3864.	3885.	4317.	4358.
PER Q=	.8	97.8	1.4	
AREA=	90.6	5791.7	165.7	
VEL=	3.8	7.6	3.9	
DEPTH=	4.3	13.4	4.1	

1490 NH CARD USED

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 515.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3640.0 4470.0 TYPE= 1 TARGET= 830.000

515.00	18.03	350.03	337.92	.00	350.20	.17	.11	.07	334.00
45000.	12449.	31700.	851.	4191.	9217.	306.	7658.	745.	334.00
1.77	2.97	3.44	2.78	.040	.040	.040	.000	332.00	3640.00
.000182	250.	275.	350.	2	22	0	.00	830.00	4470.00

FLOW DISTRIBUTION FOR SECNO= 515.00 CWSEL= 350.03

STA=	3640.	3935.	4448.	4470.
PER Q=	27.7	70.4	1.9	
AREA=	4190.5	9217.5	305.7	
VEL=	3.0	3.4	2.8	
DEPTH=	14.2	18.0	13.8	

1490 NH CARD USED
*SECNO 520.000

3470 ENCROACHMENT STATIONS= 4240.0 5000.0 TYPE= 1 TARGET= 760.000

520.00	18.05	350.05	338.87	.00	350.34	.30	.11	.04	334.00
45000.	3520.	39700.	1781.	1199.	8757.	756.	7812.	755.	334.00
1.80	2.94	4.53	2.36	.040	.031	.040	.000	332.00	4240.00
.000200	515.	560.	590.	2	18	0	.00	711.61	4951.61

FLOW DISTRIBUTION FOR SECNO= 520.00 CWSEL= 350.05

STA=	4240.	4348.	4855.	4920.	4952.
PER Q=	7.8	88.2	3.7	.3	
AREA=	1198.6	8757.2	660.3	95.2	
VEL=	2.9	4.5	2.5	1.4	
DEPTH=	11.1	17.3	10.2	3.0	

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

1490 NH CARD USED
*SECNO 530.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4050.0 4691.0 TYPE= 1 TARGET= 641.000

530.00	16.00	350.00	341.92	.00	350.63	.63	.18	.10	334.00
45000.	2188.	35681.	7132.	637.	5217.	1702.	7943.	764.	334.00
1.83	3.43	6.84	4.19	.040	.030	.040	.000	334.00	4089.90
.000473	640.	620.	610.	2	14	0	.00	576.39	4666.30

FLOW DISTRIBUTION FOR SECNO= 530.00 CWSEL= 350.00

STA=	4090.	4183.	4190.	4590.	4648.	4666.
PER Q=	3.7	1.2	9.8	5.6	.5	
AREA=	528.9	108.0	971.9	635.7	94.0	
VEL=	3.2	4.8	4.5	4.0	2.2	
DEPTH=	5.7	15.0	2.4	11.0	5.0	

1490 NH CARD USED
*SECNO 535.000

3470 ENCROACHMENT STATIONS= 2070.0 2600.0 TYPE= 1 TARGET= 530.000

535.00	15.94	349.94	342.92	.00	350.88	.93	.16	.09	336.00
45000.	774.	38057.	6169.	218.	4632.	1361.	7987.	767.	336.00
1.84	3.55	8.22	4.53	.040	.031	.040	.000	334.00	2070.00
.000713	290.	280.	275.	2	11	0	.00	530.00	2600.00

FLOW DISTRIBUTION FOR SECNO= 535.00 CWSEL= 349.94

STA=	2070.	2120.	2411.	2445.	2479.	2515.	2600.
PER Q=	1.7	84.6	5.4	4.0	3.1	1.3	
AREA=	218.4	4631.8	441.4	364.5	328.3	226.7	
VEL=	3.5	8.2	5.5	4.9	4.3	2.5	
DEPTH=	4.4	15.9	12.9	10.9	8.9	2.7	

1490 NH CARD USED

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 540.000									
540.00	16.33	350.33	342.11	.00	351.11	.78	.22	.02	336.00
45000.	2018.	40570.	2412.	489.	5527.	625.	8038.	771.	336.00
1.85	4.13	7.34	3.86	.040	.030	.040	.000	334.00	1969.79
.000550	365.	350.	335.	2	8	0	.00	508.34	2478.13

FLOW DISTRIBUTION FOR SECNO= 540.00 CWSEL= 350.33

STA=	1970.	2056.	2395.	2432. 2478.
PER Q=	4.5	90.2	4.1	1.3
AREA=	488.6	5527.4	418.0	206.7
VEL=	4.1	7.3	4.4	2.7
DEPTH=	5.7	16.3	11.3	4.5

1490 NH CARD USED

*SECNO 550.000									
550.00	16.75	350.75	343.27	.00	351.48	.73	.37	.00	336.00
45000.	5901.	33087.	6013.	1371.	4331.	1617.	8142.	780.	336.00
1.88	4.30	7.64	3.72	.040	.030	.040	.000	334.00	1735.96
.000577	645.	650.	655.	0	11	0	.00	621.73	2357.69

FLOW DISTRIBUTION FOR SECNO= 550.00 CWSEL= 350.75

STA=	1736.	1832.	1894.	2153.	2199.	2281.	2348.	2358.
PER Q=	3.4	9.8	73.5	5.6	4.6	3.1	.1	
AREA=	513.8	857.6	4331.1	548.4	601.9	441.7	25.6	
VEL=	2.9	5.1	7.6	4.6	3.4	3.1	1.8	
DEPTH=	5.4	13.7	16.7	11.9	7.4	6.5	2.8	

1490 NH CARD USED

*SECNO 560.000									
560.00	17.34	351.34	342.52	.00	351.79	.45	.28	.03	336.00
45000.	2817.	27770.	14412.	924.	4488.	3767.	8256.	789.	336.00
1.91	3.05	6.19	3.83	.050	.031	.040	.000	334.00	1547.90
.000374	605.	600.	595.	2	8	0	.00	675.47	2223.37

FLOW DISTRIBUTION FOR SECNO= 560.00 CWSEL= 351.34

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

STA=	1548.	1638.	1898.	2061.	2121.	2209.	2223.
PER Q=	6.3	61.7	22.0	5.0	4.8	.3	
AREA=	924.0	4488.5	2332.7	647.4	727.0	59.5	
VEL=	3.0	6.2	4.2	3.5	3.0	2.0	
DEPTH=	10.2	17.3	14.3	10.7	8.3	4.0	

1490 NH CARD USED

*SECNO 562.000

562.00	17.53	351.53	342.29	.00	351.89	.36	.10	.01	336.00
45000.	3716.	20926.	20358.	1291.	3561.	5314.	8318.	793.	336.00
1.93	2.88	5.88	3.83	.050	.031	.040	.000	334.00	1065.06
.000330	280.	280.	285.	2	11	0	.00	744.46	1809.52

FLOW DISTRIBUTION FOR SECNO= 562.00 CWSEL= 351.53

STA=	1065.	1181.	1385.	1453.	1485.	1556.	1601.	1698.	1780.	1810.
PER Q=	8.3	46.5	11.0	5.6	10.3	4.6	8.6	4.7	.5	
AREA=	1290.7	3561.5	1125.7	554.0	1102.7	566.4	1123.1	727.7	114.6	
VEL=	2.9	5.9	4.4	4.6	4.2	3.6	3.4	2.9	2.0	
DEPTH=	11.1	17.5	16.5	17.5	15.5	12.5	11.5	8.9	3.9	

1490 NH CARD USED

*SECNO 564.000

564.00	17.65	351.65	341.96	.00	351.97	.32	.07	.00	336.00
45000.	5324.	25250.	14427.	1818.	4871.	3978.	8371.	797.	336.00
1.94	2.93	5.18	3.63	.050	.034	.040	.000	334.00	900.98
.000314	220.	220.	220.	2	14	0	.00	771.13	1672.11

FLOW DISTRIBUTION FOR SECNO= 564.00 CWSEL= 351.65

STA=	901.	1053.	1332.	1507.	1540.	1592.	1672.
PER Q=	11.8	56.1	22.4	3.3	3.9	2.4	
AREA=	1817.9	4871.4	2560.0	416.3	557.2	444.5	
VEL=	2.9	5.2	3.9	3.6	3.2	2.4	
DEPTH=	12.0	17.5	14.7	12.7	10.7	5.6	

*SECNO 566.000

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

3301 HV CHANGED MORE THAN HVINS

566.00	17.38	351.38	343.50	.00	352.25	.87	.12	.17	338.00
45000.	2382.	38976.	3642.	1202.	4873.	1327.	8429.	802.	338.00
1.95	1.98	8.00	2.74	.085	.030	.060	.000	334.00	840.86
.000598	280.	280.	280.	2	11	0	.00	586.95	1427.82

FLOW DISTRIBUTION FOR SECNO= 566.00 CWSEL= 351.38

STA=	841.	928.	972.	1258.	1312.	1398.	1428.
PER Q=	3.3	2.0	86.6	4.9	3.2	.1	
AREA=	750.9	451.1	4873.5	674.8	610.2	42.1	
VEL=	2.0	2.0	8.0	3.2	2.3	.9	
DEPTH=	8.6	10.3	17.1	12.4	7.1	1.4	

*SECNO 570.000

3301 HV CHANGED MORE THAN HVINS

570.00	17.05	351.05	345.56	.00	352.72	1.67	.23	.24	336.00
45000.	2668.	38117.	4215.	1042.	3410.	1095.	8471.	805.	336.00
1.96	2.56	11.18	3.85	.085	.030	.060	.000	334.00	1518.76
.001171	285.	280.	280.	2	14	0	.00	454.01	1972.76

FLOW DISTRIBUTION FOR SECNO= 570.00 CWSEL= 351.05

STA=	1519.	1627.	1643.	1843.	1868.	1915.	1973.
PER Q=	4.8	1.2	84.7	3.5	4.1	1.7	
AREA=	863.8	177.8	3409.8	331.3	471.5	292.1	
VEL=	2.5	2.9	11.2	4.8	3.9	2.7	
DEPTH=	8.0	11.6	17.0	13.5	10.1	5.0	

*SECNO 572.000

572.00	17.54	351.54	344.37	.00	352.94	1.40	.19	.03	336.00
45000.	2595.	39473.	2932.	902.	3921.	869.	8495.	807.	336.00
1.97	2.88	10.07	3.38	.085	.030	.060	.000	334.00	748.70
.000913	200.	187.	178.	2	14	0	.00	429.57	1178.27

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

FLOW DISTRIBUTION FOR SECNO= 572.00 CWSEL= 351.54

STA=	749.	832.	1056.	1097.	1178.
PER Q=	5.8	87.7	4.8	1.7	
AREA=	901.9	3920.8	530.6	338.0	
VEL=	2.9	10.1	4.1	2.2	
DEPTH=	10.8	17.5	12.9	4.2	

*SECNO 574.000

3301 HV CHANGED MORE THAN HVINS

574.00	18.23	352.23	342.95	.00	353.13	.90	.14	.05	336.00
45000.	914.	42161.	1925.	458.	5392.	692.	8523.	809.	336.00
1.97	2.00	7.82	2.78	.085	.030	.060	.000	334.00	699.73
.000523	210.	200.	190.	2	8	0	.00	429.41	1129.14

FLOW DISTRIBUTION FOR SECNO= 574.00 CWSEL= 352.23

STA=	700.	748.	1044.	1081.	1129.
PER Q=	2.0	93.7	3.6	.7	
AREA=	458.0	5392.5	506.6	185.7	
VEL=	2.0	7.8	3.2	1.7	
DEPTH=	9.6	18.2	13.5	3.9	

*SECNO 576.000

576.00	18.13	352.13	344.64	.00	353.33	1.20	.11	.09	338.00
45000.	974.	38207.	5819.	433.	4056.	1601.	8548.	811.	338.00
1.98	2.25	9.42	3.63	.085	.030	.060	.000	334.00	677.32
.000778	190.	170.	165.	2	11	0	.00	422.28	1099.60

FLOW DISTRIBUTION FOR SECNO= 576.00 CWSEL= 352.13

STA=	677.	733.	959.	1049.	1100.
PER Q=	2.2	84.9	10.0	2.9	
AREA=	432.6	4056.0	1175.0	426.2	
VEL=	2.3	9.4	3.8	3.1	
DEPTH=	7.7	18.0	13.1	8.4	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
*SECNO 582.000									
582.00	16.54	352.54	346.60	.00	353.61	1.06	.27	.01	338.00
45000.	2143.	33447.	9410.	997.	3560.	2621.	8597.	814.	338.00
1.99	2.15	9.39	3.59	.085	.030	.060	.000	336.00	577.65
.000861	335.	330.	310.	2	11	0	.00	579.40	1157.06

FLOW DISTRIBUTION FOR SECNO= 582.00 CWSEL= 352.54

STA=	578.	680.	698.	914.	1044.	1107.	1145.	1157.
PER Q=	3.5	1.2	74.3	12.5	5.1	3.0	.2	
AREA=	784.9	212.1	3560.2	1511.4	663.2	395.4	51.2	
VEL=	2.0	2.6	9.4	3.7	3.5	3.4	2.0	
DEPTH=	7.7	11.7	16.5	11.6	10.5	10.4	4.2	

*SECNO 584.000									
584.00	16.84	352.84	345.92	.00	353.78	.94	.16	.01	338.00
45000.	2602.	33311.	9087.	1050.	3774.	2655.	8631.	817.	338.00
2.00	2.48	8.83	3.42	.085	.030	.060	.000	336.00	529.15
.000742	210.	200.	190.	2	14	0	.00	574.54	1103.68

FLOW DISTRIBUTION FOR SECNO= 584.00 CWSEL= 352.84

STA=	529.	633.	858.	993.	1067.	1104.
PER Q=	5.8	74.0	14.2	5.0	1.0	
AREA=	1050.4	3774.1	1730.8	728.2	196.0	
VEL=	2.5	8.8	3.7	3.1	2.2	
DEPTH=	10.1	16.8	12.8	9.8	5.3	

*SECNO 586.000									
586.00	17.06	353.06	345.95	.00	353.94	.88	.15	.01	338.00
45000.	3275.	28997.	12728.	1321.	3225.	3355.	8667.	820.	338.00
2.01	2.48	8.99	3.79	.085	.030	.060	.000	336.00	459.29
.000758	205.	205.	205.	2	14	0	.00	576.58	1035.87

FLOW DISTRIBUTION FOR SECNO= 586.00 CWSEL= 353.06

STA=	459.	583.	773.	930.	1013.	1036.
PER Q=	7.3	64.4	19.5	8.0	.8	
AREA=	1321.1	3224.7	2204.3	1003.2	147.2	
VEL=	2.5	9.0	4.0	3.6	2.5	
DEPTH=	10.7	17.0	14.1	12.1	6.4	

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

*SECNO 592.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 344.8 800.0 TYPE= 1 TARGET= 455.200

592.00	16.79	352.79	347.93	.00	354.63	1.84	.40	.29	338.00
45000.	2800.	31496.	10704.	794.	2499.	2085.	8725.	824.	338.00
2.02	3.53	12.61	5.13	.085	.030	.060	.000	336.00	365.79
.001577	375.	380.	385.	2	19	0	.00	422.69	788.48

FLOW DISTRIBUTION FOR SECNO= 592.00 CWSEL= 352.79

STA=	366.	444.	598.	671.	724.	748.	788.
PER Q=	6.2	70.0	11.3	[illegible].1	3.1	1.2	
AREA=	793.6	2498.5	946.0	[illegible].4	278.3	181.5	
VEL=	3.5	12.6	5.4	5.4	5.1	3.0	
DEPTH=	10.2	16.3	12.9	12.8	11.8	4.5	

*SECNO 594.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

594.00	13.27	353.27	353.27	.00	358.23	4.96	1.09	.94	342.00
45000.	5136.	32643.	7220.	263.	1937.	345.	8746.	826.	342.00
2.02	19.54	16.85	20.91	.075	.125	.065	.000	340.00	588.50
.066048	230.	230.	230.	0	11	0	.00	260.06	848.56

FLOW DISTRIBUTION FOR SECNO= 594.00 CWSEL= 353.27

STA=	588.	597.	609.	613.	617.	631.	780.	790.	801.	808.	823.	849.
PER Q=	.2	1.6	.9	1.3	7.5	72.5	6.6	4.5	2.1	2.1	.8	
AREA=	13.6	53.8	25.1	29.8	140.7	1937.2	107.8	86.0	47.6	61.9	41.9	
VEL=	6.7	13.3	16.1	19.0	23.9	16.9	27.4	23.7	19.5	15.4	8.1	
DEPTH=	1.6	4.3	6.3	8.3	10.3	13.0	10.3	8.3	6.3	4.3	1.6	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 600.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			600.0	1050.0	TYPE=	1	TARGET=	450.000	
600.00	18.55	360.55	353.32	.00	361.79	1.24	3.18	.37	346.00
45000.	12812.	30205.	1983.	1274.	3626.	197.	8759.	827.	346.00
2.02	10.06	8.33	10.07	.075	.125	.065	.000	342.00	651.54
.010375	145.	150.	155.	3	15	0	.00	351.25	1002.79

FLOW DISTRIBUTION FOR SECNO= 600.00 CWSEL= 360.55

STA=	652.	694.	714.	757.	779.	979.	989.	1003.
PER Q=	3.4	4.5	13.1	7.5	67.1	3.4	1.0	
AREA=	227.9	212.2	539.6	294.0	3625.9	125.5	71.4	
VEL=	6.8	9.5	10.9	11.4	8.3	12.3	6.2	
DEPTH=	5.4	10.3	12.5	13.5	18.1	13.1	5.1	

*SECNO 610.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			200.0	652.3	TYPE=	1	TARGET=	452.300	
610.00	21.40	363.40	351.58	.00	364.03	.63	2.19	.06	346.00
45000.	3732.	39442.	1826.	577.	6239.	249.	8803.	830.	346.00
2.04	6.46	6.32	7.33	.075	.125	.065	.000	342.00	253.79
.005019	295.	315.	355.	3	11	0	.00	397.29	651.09

FLOW DISTRIBUTION FOR SECNO= 610.00 CWSEL= 363.40

STA=	254.	302.	320.	623.	645.	651.
PER Q=	3.8	4.5	87.6	4.0	.1	
AREA=	319.5	257.9	6239.3	239.5	9.7	
VEL=	5.3	7.8	6.3	7.5	2.3	
DEPTH=	6.7	14.0	20.6	10.8	1.6	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 620.000

3470 ENCROACHMENT STATIONS= 250.0 750.0 TYPE= 1 TARGET= 500.000

620.00	21.57	365.57	353.73	.00	366.11	.53	2.06	.01	364.00
45000.	41.	44898.	61.	33.	7645.	28.	8870.	834.	364.00
2.06	1.24	5.87	2.15	.075	.125	.065	.000	344.00	257.43
.005431	395.	395.	395.	2	14	0	.00	492.57	750.00

FLOW DISTRIBUTION FOR SECNO= 620.00 CWSEL= 365.57

STA=	257.	299.	732.	750.
PER Q=	.1	99.8	.1	
AREA=	32.8	7644.8	28.3	
VEL=	1.2	5.9	2.2	
DEPTH=	.8	17.7	1.6	

*SECNO 630.000

3470 ENCROACHMENT STATIONS= 300.0 804.6 TYPE= 1 TARGET= 504.600

630.00	22.77	366.77	354.55	.00	367.33	.56	1.22	.01	348.00
45000.	7138.	34115.	3747.	1166.	5882.	506.	8916.	836.	348.00
2.07	6.12	5.80	7.41	.075	.125	.065	.000	344.00	300.15
.003961	235.	265.	295.	2	11	0	.00	489.11	789.26

FLOW DISTRIBUTION FOR SECNO= 630.00 CWSEL= 366.77

STA=	300.	382.	427.	446.	718.	730.	748.	789.
PER Q=	3.8	6.9	5.1	75.8	4.7	3.2	.4	
AREA=	368.7	497.8	299.7	5882.2	216.8	214.2	74.6	
VEL=	4.7	6.2	7.7	5.8	9.7	6.8	2.4	
DEPTH=	4.5	11.2	15.9	21.6	17.8	11.8	1.8	

*SECNO 640.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

FINAL CROSS SECTION - APPROX. 200 FT. DOWNSTREAM OF RIVERFORD BRIDGE

640.00	22.29	368.29	360.93	.00	369.99	1.70	2.31	.34	350.00
45000.	4082.	32759.	8159.	377.	3106.	819.	8963.	840.	350.00
2.08	10.84	10.55	9.96	.075	.125	.065	.000	346.00	161.72
.013194	345.	350.	355.	2	14	0	.00	362.89	735.31

FLOW DISTRIBUTION FOR SECNO= 640.00 CWSEL= 368.29

STA=	162.	411.	434.	578.	601.	621.	657.	695.	732.	735.
PER Q=	.8	8.3	72.8	9.7	3.2	3.3	1.6	.3	.0	
AREA=	67.1	309.5	3105.9	313.5	144.2	187.6	125.5	47.6	.5	
VEL=	5.2	12.1	10.5	13.9	9.8	8.0	5.8	3.1	.7	
DEPTH=	.3	13.3	21.6	13.3	7.3	5.3	3.3	1.3	.1	

T1 SAN DIEGO RIVER
T2 CITY OF SANTEE
T3 100 YEAR FLOODWAY (SANTEE)

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		3							283.55	

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15	0	-1				-1			0

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

*PROF 2

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS
0

CCHV= .100 CEHV= .300
*SECNO 100.000

3470 ENCROACHMENT STATIONS= 340.0 600.0 TYPE= 1 TARGET= 260.000
MISSION DAM - DOWNSTREAM LIMIT OF STUDY (SUB-CRITICAL FLOW ASSUMED)

100.00	13.55	283.55	282.25	282.55	287.73	4.18	.00	.00	280.00
50000.	15.	49985.	0.	3.	3045.	0.	0.	0.	100000.00
.00	5.48	16.41	.00	.080	.180	.000	.000	270.00	340.00
.152867	0.	0.	0.	0	10	0	.00	260.00	600.00

*SECNO 110.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 310.0 610.0 TYPE= 1 TARGET= 300.000

110.00	15.63	289.63	285.82	289.82	292.23	2.59	4.33	.16	280.00
50000.	4274.	44814.	913.	231.	3656.	70.	4.	0.	280.00
.00	18.47	12.26	12.99	.080	.180	.080	.000	274.00	310.00
.066182	45.	45.	45.	2	15	0	.00	300.00	610.00

*SECNO 120.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 310.0 650.0 TYPE= 1 TARGET= 340.000

120.00	18.95	292.95	286.24	292.90	294.55	1.60	2.22	.10	280.00
50000.	5725.	39308.	4967.	415.	4312.	392.	9.	1.	280.00
.00	13.80	9.12	12.67	.080	.180	.080	.000	274.00	310.00
.027241	55.	55.	55.	3	15	0	.00	340.00	650.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 130.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 330.0 683.0 TYPE= 1 TARGET= 353.000

130.00	25.07	301.07	289.06	300.44	302.01	.94	7.40	.07	280.00
50000.	3244.	32665.	14091.	370.	5273.	1352.	82.	5.	280.00
.02	8.76	6.20	10.42	.080	.180	.080	.000	276.00	330.00
.008716	520.	520.	520.	5	19	0	.00	353.00	683.00

CCHV= .030 CEHV= .050
*SECNO 140.000

3470 ENCROACHMENT STATIONS= 215.0 545.0 TYPE= 1 TARGET= 330.000

140.00	29.52	305.52	290.32	304.49	306.26	.74	4.25	.01	284.00
50000.	3868.	37349.	8783.	434.	6264.	944.	175.	9.	284.00
.04	8.92	5.96	9.31	.080	.180	.080	.000	276.00	215.00
.006777	555.	555.	555.	3	11	0	.00	330.00	545.00

*SECNO 150.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 245.0 1200.0 TYPE= 1 TARGET= 955.000

150.00	26.90	306.90	288.34	305.95	307.15	.24	.87	.01	290.00
50000.	689.	24398.	24913.	325.	11889.	4763.	337.	18.	290.00
.09	2.12	2.05	5.23	.080	.160	.035	.000	280.00	245.00
.000652	555.	580.	555.	3	14	0	.00	955.00	1200.00

1490 NH CARD USED
*SECNO 160.000

3265 DIVIDED FLOW

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 415.0 1860.0 TYPE= 1 TARGET= 1445.000

160.00	25.38	307.38	292.18	306.49	307.48	.09	.33	.00	292.00
50000.	41862.	4575.	3562.	16793.	1841.	1998.	671.	38.	290.00
.18	2.49	2.49	1.78	.073	.080	.047	.000	282.00	415.00
.000297	900.	670.	670.	2	22	0	.00	1428.03	1860.00

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 170.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 410.0 1990.0 TYPE= 1 TARGET= 1580.000

170.00	25.48	307.48	293.93	306.61	307.54	.06	.06	.00	292.00
50000.	35734.	2166.	12101.	18198.	1306.	6267.	843.	50.	290.00
.22	1.96	1.66	1.93	.061	.080	.054	.000	282.00	410.00
.000142	325.	320.	315.	2	13	0	.00	1580.00	1990.00

1490 NH CARD USED
*SECNO 180.000

3470 ENCROACHMENT STATIONS= 485.0 1940.0 TYPE= 1 TARGET= 1455.000

180.00	21.53	307.53	293.01	306.65	307.60	.07	.05	.00	292.00
50000.	42028.	5078.	2894.	18379.	4446.	1924.	1155.	68.	290.00
.29	2.29	1.14	1.50	.039	.080	.040	.000	286.00	485.00
.000073	529.	550.	570.	2	14	0	.00	1455.00	1940.00

1490 NH CARD USED
*SECNO 190.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 470.0 1920.0 TYPE= 1 TARGET= 1450.000

190.00	21.56	307.56	290.51	306.68	307.63	.06	.02	.00	296.00
50000.	45893.	3774.	333.	21732.	4672.	597.	1455.	85.	290.00
.36	2.11	.81	.56	.031	.080	.054	.000	286.00	470.00
.000035	505.	505.	505.	2	17	0	.00	1450.00	1920.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 200.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 370.0 1975.0 TYPE= 1 TARGET= 1605.000

200.00	21.61	307.61	290.78	306.74	307.68	.07	.05	.00	296.00
50000.	32050.	2926.	15024.	21267.	2247.	4889.	1917.	111.	294.00
.46	1.51	1.30	3.07	.118	.125	.042	.000	286.00	370.00
.000260	720.	740.	750.	1	17	0	.00	1605.00	1975.00

1490 NH CARD USED
*SECNO 209.000

3470 ENCROACHMENT STATIONS= 400.0 2100.0 TYPE= 1 TARGET= 1700.000

209.00	21.71	307.71	291.98	306.86	307.80	.08	.11	.00	298.00
50000.	23059.	6243.	20699.	15369.	4476.	6673.	2176.	126.	294.00
.52	1.50	1.39	3.10	.122	.125	.040	.000	286.00	400.00
.000291	430.	390.	365.	2	14	0	.00	1700.00	2100.00

1490 NH CARD USED
*SECNO 210.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 400.0 2100.0 TYPE= 1 TARGET= 1700.000

210.00	21.63	307.63	299.57	306.78	307.84	.21	.00	.04	298.00
50000.	11055.	9060.	29885.	7780.	4455.	6620.	2181.	126.	294.00
.52	1.42	2.03	4.51	.116	.125	.040	.000	286.00	400.00
.000622	10.	10.	10.	2	14	0	.00	1700.00	2100.00

1490 NH CARD USED
*SECNO 211.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 400.0 2100.0 TYPE= 1 TARGET= 1700.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
211.00	21.77	307.77	291.98	306.92	307.85	.08	.00	.01	298.00
50000.	23024.	6234.	20743.	15418.	4490.	6709.	2186.	127.	294.00
.52	1.49	1.39	3.09	.122	.125	.040	.000	286.00	400.00
.000287	10.	10.	10.	2	14	0	.00	1700.00	2100.00

*SECNO 220.000

3470 ENCROACHMENT STATIONS= 515.0 2100.0 TYPE= 1 TARGET= 1585.000

220.00	19.95	307.95	298.90	307.13	308.09	.14	.22	.02	292.00
50000.	8150.	5111.	36739.	2659.	6003.	11782.	2620.	157.	292.00
.60	3.06	.85	3.12	.040	.200	.040	.000	288.00	515.00
.000263	830.	810.	770.	2	8	0	.00	1585.00	2100.00

*SECNO 230.000

3470 ENCROACHMENT STATIONS= 825.0 2000.0 TYPE= 1 TARGET= 1175.000

230.00	20.05	308.05	299.28	307.25	308.28	.23	.16	.03	292.00
50000.	4071.	4004.	41926.	1148.	3778.	10421.	2824.	173.	292.00
.63	3.55	1.06	4.02	.040	.200	.040	.000	288.00	825.00
.000410	465.	490.	505.	2	14	0	.00	1175.00	2000.00

*SECNO 239.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2370.0 3040.0 TYPE= 1 TARGET= 670.000

239.00	17.90	307.90	298.52	307.10	308.87	.97	.37	.22	294.00
50000.	2940.	14920.	32140.	339.	5735.	3439.	2946.	182.	294.00
.65	8.66	2.60	9.34	.040	.200	.040	.000	290.00	2370.00
.002694	400.	420.	440.	2	16	0	.00	670.00	3040.00

*SECNO 240.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 2517.0 3011.0 TYPE= 1 TARGET= 494.000

240.00	19.62	309.62	298.34	309.17	310.13	.51	1.22	.05	306.00
50000.	38.	49962.	0.	7.	8696.	0.	2995.	185.	100000.00
.66	5.37	5.75	.00	.040	.200	.000	.000	290.00	2517.00
.013421	195.	230.	255.	2	14	0	.00	494.00	3011.00

CCHV= .300 CEHV= .500

*SECNO 242.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3370 NORMAL BRIDGE, NRD= 31 MIN ELTRD= 312.00 MAX ELLC= 311.50

3470 ENCROACHMENT STATIONS= 2518.0 3010.0 TYPE= 1 TARGET= 492.000

MAST BLVD BRIDGE (NORMAL BRIDGE ROUTINE)

242.00	19.60	309.60	298.80	309.14	310.21	.61	.02	.05	306.00
50000.	7.	49993.	0.	4.	7991.	0.	2997.	185.	100000.00
.66	1.54	6.26	.00	.030	.040	.000	.000	290.00	2518.00
.001011	10.	10.	10.	2	15	0	-689.49	492.00	3010.00

*SECNO 243.000

3370 NORMAL BRIDGE, NRD= 31 MIN ELTRD= 312.00 MAX ELLC= 311.50

3470 ENCROACHMENT STATIONS= 2518.0 3010.0 TYPE= 1 TARGET= 492.000

243.00	19.67	309.67	298.80	309.22	310.27	.60	.07	.00	100000.00
50000.	0.	49961.	39.	0.	8010.	17.	3009.	186.	300.00
.66	.00	6.24	2.22	.000	.040	.030	.000	290.00	2518.00
.000992	65.	65.	65.	2	15	0	-692.35	492.00	3010.00

*SECNO 244.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2560.0 3070.0 TYPE= 1 TARGET= 510.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
244.00	19.81	309.81	298.90	309.37	310.32	.51	.02	.03	100000.00
50000.	0.	50000.	0.	0.	8722.	0.	3011.	186.	100000.00
.66	.00	5.73	.00	.000	.140	.000	.000	290.00	2560.00
.006810	10.	10.	10.	2	14	0	.00	510.00	3070.00

*SECNO 245.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 760.0 1410.0 TYPE= 1 TARGET= 650.000

245.00	20.21	310.21	297.39	309.96	310.80	.59	.44	.04	292.00
50000.	22773.	25895.	1331.	2682.	9295.	234.	3052.	188.	292.00
.67	8.49	2.79	5.70	.040	.140	.055	.000	290.00	760.00
.001280	210.	165.	200.	2	18	0	.00	650.00	1410.00

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 250.000

3470 ENCROACHMENT STATIONS= 2400.0 3310.0 TYPE= 1 TARGET= 910.000

250.00	21.39	311.39	300.15	310.76	311.63	.24	.80	.03	294.00
50000.	10121.	8574.	31305.	1896.	3566.	8412.	3277.	202.	294.00
.73	5.34	2.40	3.72	.045	.140	.072	.000	290.00	2400.00
.000921	705.	740.	790.	2	8	0	.00	910.00	3310.00

1490 NH CARD USED
*SECNO 260.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2340.0 2950.0 TYPE= 1 TARGET= 610.000

260.00	18.61	312.61	306.21	311.65	313.46	.86	1.65	.19	300.00
50000.	823.	10858.	38318.	313.	2723.	4670.	3530.	219.	300.00
.77	2.63	3.99	8.21	.140	.140	.055	.000	294.00	2340.00
.003498	1035.	1025.	1020.	2	11	0	.00	610.00	2950.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 270.000

3470 ENCROACHMENT STATIONS= 2270.0 2990.0 TYPE= 1 TARGET= 720.000

270.00	17.40	315.40	307.73	314.82	316.10	.70	2.62	.02	300.00
49000.	5349.	8595.	35057.	1867.	2695.	4569.	3714.	234.	304.00
.81	2.86	3.19	7.67	.105	.140	.055	.000	298.00	2270.00
.002257	985.	965.	930.	2	11	0	.00	720.00	2990.00

1490 NH CARD USED
*SECNO 280.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 560.0 1890.0 TYPE= 1 TARGET= 1330.000

280.00	17.32	317.32	308.67	316.53	317.51	.18	1.36	.05	306.00
49000.	6007.	3089.	39904.	4125.	1601.	10684.	4017.	258.	306.00
.89	1.46	1.93	3.74	.140	.140	.064	.000	300.00	560.00
.000859	1045.	1040.	1030.	2	8	0	.00	1330.00	1890.00

*SECNO 285.000

3470 ENCROACHMENT STATIONS= 525.0 2015.0 TYPE= 1 TARGET= 1490.000

285.00	15.82	317.82	309.79	317.04	317.97	.15	.46	.00	306.00
49000.	3934.	1800.	43266.	1575.	1240.	13590.	4272.	280.	310.00
.95	2.50	1.45	3.18	.060	.140	.055	.000	302.00	525.00
.000545	665.	670.	680.	2	18	0	.00	1490.00	2015.00

*SECNO 290.000

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 2560.0 4154.0 TYPE= 1 TARGET= 1594.000

290.00	16.22	318.22	311.69	317.51	318.41	.19	.43	.01	308.00
49000.	3993.	2491.	42516.	890.	1434.	12293.	4502.	303.	310.00
1.01	4.49	1.74	3.46	.040	.140	.055	.000	302.00	2560.00
.000829	645.	645.	645.	2	14	0	.00	1567.11	4154.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 300.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2540.0 4014.0 TYPE= 1 TARGET= 1474.000

300.00	12.90	318.90	314.05	318.24	319.21	.31	.77	.04	100000.00
49000.	0.	3310.	45690.	0.	1683.	9965.	4703.	326.	314.00
1.05	.00	1.97	4.58	.000	.140	.055	.000	306.00	2540.00
.001699	655.	660.	670.	2	8	0	.00	1440.55	4014.00

*SECNO 310.000

3470 ENCROACHMENT STATIONS= 2650.0 4000.0 TYPE= 1 TARGET= 1350.000
CONFLUENCE WITH SYCAMORE CREEK

310.00	11.83	319.83	314.39	319.19	320.12	.28	.90	.00	314.00
49000.	1031.	1652.	46318.	263.	1038.	10662.	4866.	345.	316.00
1.09	3.92	1.59	4.34	.040	.140	.055	.000	308.00	2650.00
.001336	620.	610.	600.	2	8	0	.00	1350.00	4000.00

*SECNO 320.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 1030.0 2150.0 TYPE= 1 TARGET= 1120.000
CONFLUENCE WITH FORRESTER CREEK

320.00	11.55	321.55	317.88	320.71	322.18	.63	1.96	.10	100000.00
49000.	0.	10706.	38294.	0.	2910.	5540.	5058.	368.	312.00
1.13	.00	3.68	6.91	.000	.140	.055	.000	310.00	1030.00
.005297	665.	750.	840.	2	23	0	.00	1120.00	2150.00

*SECNO 330.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 1370.0 2250.0 TYPE= 1 TARGET= 880.000

330.00	12.35	324.35	318.63	323.86	324.79	.45	2.60	.02	314.00
48000.	22843.	8710.	16448.	4023.	1922.	3095.	5211.	386.	314.00
1.16	5.68	4.53	5.32	.060	.085	.060	.000	312.00	1370.00
.002392	870.	780.	700.	2	11	0	.00	880.00	2250.00

*SECNO 340.000

3470 ENCROACHMENT STATIONS= 1220.0 2180.0 TYPE= 1 TARGET= 960.000

340.00	15.60	325.60	319.00	325.21	325.95	.35	1.15	.01	320.00
48000.	8214.	21849.	17937.	1663.	5195.	3411.	5324.	396.	318.00
1.19	4.94	4.21	5.26	.060	.085	.060	.000	310.00	1220.00
.002117	520.	505.	505.	2	19	0	.00	960.00	2180.00

*SECNO 345.000

3470 ENCROACHMENT STATIONS= 1300.0 2270.0 TYPE= 1 TARGET= 970.000

345.00	14.26	326.26	320.55	325.96	326.71	.45	.72	.03	322.00
48000.	11242.	26405.	10353.	1839.	5357.	1846.	5386.	403.	324.00
1.21	6.11	4.93	5.61	.060	.085	.060	.000	312.00	1300.00
.003257	320.	280.	250.	1	11	0	.00	970.00	2270.00

CCHV= .300 CEHV= .500
*SECNO 355.000

3470 ENCROACHMENT STATIONS= 1500.0 2370.0 TYPE= 1 TARGET= 870.000

355.00	13.32	327.32	322.64	327.04	327.87	.56	1.11	.05	322.00
48000.	9926.	32247.	5827.	1604.	5532.	901.	5442.	409.	322.00
1.22	6.19	5.83	6.47	.060	.085	.060	.000	314.00	1500.00
.004804	275.	285.	295.	2	14	0	.00	870.00	2370.00

*SECNO 356.000

3470 ENCROACHMENT STATIONS= 1520.0 2290.0 TYPE= 1 TARGET= 770.000

356.00	12.73	328.73	325.13	328.43	329.75	1.02	1.64	.23	316.00
48000.	7884.	38970.	1146.	1217.	4631.	146.	5482.	413.	320.00
1.23	6.48	8.42	7.87	.060	.085	.060	.000	316.00	1520.00
.009529	250.	250.	250.	2	18	0	.00	770.00	2290.00

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

SPECIAL BRIDGE

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	.90	1.60	2.75	.00	450.00	77.00	3112.00	2.00	318.00	318.00

*SECNO 358.000
BTCARD BRIDGE STENCL= 1510.00 STENCR= 2300.00
6870 D.S. ENERGY OF 329.75 IS HIGHER THAN COMPUTED ENERGY OF 328.83

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
328.83	328.83	.01	41494.	6485.	3112.	3112.	326.00	324.00	288.

3470 ENCROACHMENT STATIONS= 1510.0 2300.0 TYPE= 1 TARGET= 790.000
CARLTON HILLS BLVD BRIDGE (SPECIAL BRIDGE ROUTINE)

358.00	12.47	328.47	.00	328.06	329.75	1.28	.00	.00	316.00
48000.	5160.	42801.	40.	1341.	4496.	16.	5491.	415.	326.00
1.23	3.85	9.52	2.49	.060	.040	.030	.000	316.00	1510.00
.002876	65.	65.	65.	2	0	6	.00	790.00	2300.00

*SECNO 360.000

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 1565.0 2435.0 TYPE= 1 TARGET= 870.000

360.00	14.36	330.36	323.24	329.95	330.74	.38	.72	.27	320.00
48000.	38367.	8873.	761.	7371.	2383.	309.	5553.	421.	320.00
1.25	5.20	3.72	2.47	.060	.085	.085	.000	316.00	1565.00
.001624	335.	345.	355.	2	14	0	.00	870.00	2435.00

CCHV= .100 CEHV= .300
*SECNO 370.000

3470 ENCROACHMENT STATIONS= 1470.0 2500.0 TYPE= 1 TARGET= 1030.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
370.00	12.97	330.97	324.06	330.57	331.26	.30	.51	.01	320.00
48000.	39625.	4117.	4258.	8633.	1174.	1571.	5638.	429.	320.00
1.27	4.59	3.51	2.71	.060	.085	.085	.000	318.00	1470.00
.001361	345.	345.	350.	2	18	0	.00	1030.00	2500.00

*SECNO 380.000

3470 ENCROACHMENT STATIONS= 1540.0 2625.0 TYPE= 1 TARGET= 1085.000

380.00	13.42	331.42	324.95	330.97	331.73	.32	.47	.01	320.00
48000.	39772.	2789.	5439.	8421.	728.	1797.	5720.	436.	320.00
1.29	4.72	3.83	3.03	.060	.085	.085	.000	318.00	1540.00
.001568	320.	320.	320.	2	11	0	.00	1085.00	2625.00

*SECNO 390.000

3470 ENCROACHMENT STATIONS= 1730.0 2620.0 TYPE= 1 TARGET= 890.000

390.00	14.32	332.32	326.71	331.74	332.80	.47	1.02	.05	324.00
48000.	33910.	7734.	6357.	5615.	1746.	1815.	5840.	448.	324.00
1.32	6.04	4.43	3.50	.060	.085	.085	.000	318.00	1730.00
.002502	520.	520.	520.	2	14	0	.00	890.00	2620.00

*SECNO 400.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 1820.0 2585.0 TYPE= 1 TARGET= 765.000
DOWNSTREAM END MISSION CREEK DEVELOPMENT

400.00	15.52	333.52	323.70	332.86	333.83	.31	1.01	.02	320.00
48000.	2552.	42647.	2800.	476.	10004.	481.	5975.	459.	320.00
1.36	5.36	4.26	5.82	.040	.075	.040	.000	318.00	1820.00
.001220	705.	540.	495.	1	18	0	.00	765.00	2585.00

1490 NH CARD USED
*SECNO 410.000

3470 ENCROACHMENT STATIONS= 2970.5 3710.0 TYPE= 1 TARGET= 739.500

410.00	16.27	334.27	324.11	333.65	334.59	.33	.76	.01	320.00
48000.	2972.	42390.	2639.	636.	9340.	522.	6147.	471.	320.00
1.40	4.67	4.54	5.05	.040	.065	.040	.000	318.00	2970.50
.000971	672.	700.	726.	2	18	0	.00	739.50	3710.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 415.000

3470 ENCROACHMENT STATIONS= 3200.0 3945.0 TYPE= 1 TARGET= 745.000

415.00	16.99	334.99	324.08	334.47	335.27	.28	.67	.00	320.00
48000.	2349.	42028.	3624.	492.	10194.	747.	6344.	485.	320.00
1.45	4.77	4.12	4.85	.040	.065	.040	.000	318.00	3200.00
.000767	765.	780.	800.	2	18	0	.00	745.00	3945.00

1490 NH CARD USED
*SECNO 420.000

3470 ENCROACHMENT STATIONS= 3411.5 4065.0 TYPE= 1 TARGET= 653.500

420.00	17.38	335.38	325.39	334.92	335.78	.40	.48	.04	320.00
48000.	3592.	39548.	4860.	543.	8494.	729.	6461.	492.	320.00
1.48	6.61	4.66	6.66	.040	.075	.040	.000	318.00	3411.50
.001342	480.	480.	480.	2	14	0	.00	653.50	4065.00

*SECNO 421.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2617.0 3057.0 TYPE= 1 TARGET= 440.000

421.00	11.42	335.42	331.65	334.98	336.97	1.56	.84	.35	325.00
48000.	2538.	45184.	278.	254.	4503.	41.	6523.	497.	328.00
1.49	9.98	10.04	6.82	.040	.050	.040	.000	324.00	2617.00
.004514	375.	375.	375.	2	14	0	.00	440.00	3057.00

CCHV= .300 CEHV= .500
*SECNO 422.000

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 53 MIN ELTRD= 344.00 MAX ELLC= 342.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 2617.0 3057.0 TYPE= 1 TARGET= 440.000
CUYAMACA BRIDGE - UPSTREAM END OF MISSION CREEK DEVELOPMENT
(NORMAL BRIDGE ROUTINE)

422.00	10.94	334.94	332.77	334.44	337.55	2.61	.05	.53	326.00
48000.	1595.	45957.	448.	157.	3507.	72.	6524.	497.	326.00
1.49	10.16	13.10	6.22	.040	.030	.040	.000	324.00	2617.00
.005616	10.	10.	10.	2	12	0	-841.78	440.00	3057.00

*SECNO 423.000

3370 NORMAL BRIDGE, NRD= 53 MIN ELTRD= 344.00 MAX ELLC= 342.00

3470 ENCROACHMENT STATIONS= 4616.0 5058.0 TYPE= 1 TARGET= 442.000

423.00	11.74	335.74	332.77	335.48	337.99	2.25	.33	.11	326.00
48000.	1694.	45804.	502.	176.	3763.	84.	6530.	498.	326.00
1.49	9.60	12.17	5.95	.040	.030	.040	.000	324.00	4616.00
.004578	65.	65.	65.	3	12	0	-907.51	442.00	5058.00

1490 NH CARD USED
*SECNO 424.000

3470 ENCROACHMENT STATIONS= 4633.0 5082.0 TYPE= 1 TARGET= 449.000

424.00	10.38	336.38	333.45	336.18	338.18	1.79	.05	.14	326.00
48000.	1262.	44749.	1989.	162.	4112.	216.	6531.	498.	326.00
1.49	7.78	10.88	9.21	.050	.050	.050	.000	326.00	4633.00
.005920	10.	10.	10.	3	14	0	.00	449.00	5082.00

1490 NH CARD USED
*SECNO 425.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4420.0 5270.0 TYPE= 1 TARGET= 850.000

425.00	12.80	338.80	333.12	338.72	339.30	.50	.73	.39	328.00
48000.	20040.	17719.	10241.	3314.	3831.	1587.	6568.	502.	328.00
1.50	6.05	4.63	6.45	.045	.075	.045	.000	326.00	4420.00
.001886	285.	225.	215.	2	19	0	.00	850.00	5270.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 430.000

3470 ENCROACHMENT STATIONS= 4860.0 5860.0 TYPE= 1 TARGET= 1000.000

430.00	13.81	339.81	336.97	339.61	340.60	.79	1.21	.09	328.00
48000.	17571.	16764.	13665.	3047.	2491.	1535.	6654.	512.	328.00
1.52	5.77	6.73	8.90	.045	.075	.045	.000	326.00	4860.00
.003589	495.	470.	465.	2	12	0	.00	1000.00	5860.00

1490 NH CARD USED
*SECNO 440.000

3470 ENCROACHMENT STATIONS= 4365.0 5420.0 TYPE= 1 TARGET= 1055.000

440.00	13.64	341.64	337.08	340.57	342.16	.52	1.54	.03	330.00
46000.	29010.	12410.	4579.	4846.	2324.	831.	6748.	525.	330.00
1.55	5.99	5.34	5.51	.045	.075	.045	.000	328.00	4365.00
.002280	535.	545.	550.	2	14	0	.00	1055.00	5420.00

1490 NH CARD USED
*SECNO 450.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4375.0 5410.0 TYPE= 1 TARGET= 1035.000

450.00	14.18	342.18	334.56	341.22	342.55	.37	.38	.01	330.00
46000.	7483.	38260.	256.	3744.	7263.	167.	6869.	538.	330.00
1.58	2.00	5.27	1.53	.055	.030	.055	.000	328.00	4375.00
.000331	575.	530.	545.	2	11	0	.00	1035.00	5410.00

1490 NH CARD USED
*SECNO 460.000

3470 ENCROACHMENT STATIONS= 4380.0 5360.0 TYPE= 1 TARGET= 980.000

460.00	14.41	342.41	333.20	341.51	342.68	.27	.12	.01	330.00
46000.	2252.	43470.	279.	1623.	10074.	197.	6988.	548.	330.00
1.61	1.39	4.32	1.41	.055	.030	.055	.000	328.00	4380.00
.000219	480.	440.	425.	2	18	0	.00	980.00	5360.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 470.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4125.0 5130.0 TYPE= 1 TARGET= 1005.000

470.00	14.47	342.47	338.64	341.70	343.11	.64	.32	.11	330.00
46000.	36001.	9999.	0.	5444.	1769.	0.	7118.	563.	100000.00
1.64	6.61	5.65	.00	.045	.070	.000	.000	328.00	4125.00
.002464	790.	480.	430.	2	16	0	.00	1005.00	5130.00

1490 NH CARD USED
*SECNO 480.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 3105.0 4125.6 TYPE= 1 TARGET= 1020.600

480.00	13.68	343.68	343.68	343.90	346.32	2.64	1.42	.60	340.00
46000.	3213.	42780.	7.	657.	3178.	3.	7156.	569.	340.00
1.64	4.89	13.46	2.76	.045	.070	.045	.000	330.00	3105.00
.014013	305.	280.	280.	0	8	0	.00	767.61	4125.60

1490 NH CARD USED
*SECNO 483.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3120.0 4140.0 TYPE= 1 TARGET= 1020.000

483.00	16.25	346.25	343.93	345.96	347.27	1.02	.79	.16	340.00
46000.	12548.	32331.	1120.	2348.	3585.	184.	7167.	571.	340.00
1.65	5.34	9.02	6.07	.045	.070	.045	.000	330.00	3120.00
.005080	100.	100.	105.	4	5	0	.00	1020.00	4140.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 484.000

3470 ENCROACHMENT STATIONS=			3080.0	4095.0	TYPE=	1	TARGET=	1015.000	
484.00	17.02	347.02	345.28	346.57	347.93	.91	.64	.01	342.00
46000.	20588.	24264.	1148.	2993.	2938.	166.	7183.	574.	342.00
1.65	6.88	8.26	6.92	.045	.070	.045	.000	330.00	3080.00
.006259	110.	115.	160.	2	10	0	.00	1015.00	4095.00

*SECNO 485.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			3080.0	4095.0	TYPE=	1	TARGET=	1015.000	
CHUBB LANE CROSSING									
485.00	6.65	346.65	346.08	346.34	348.22	1.58	.10	.20	342.00
46000.	28396.	15976.	1628.	2721.	1711.	153.	7184.	574.	342.00
1.65	10.44	9.34	10.63	.045	.070	.045	.000	340.00	3080.00
.016210	10.	10.	10.	3	22	0	.00	1015.00	4095.00

*SECNO 486.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			3080.0	4095.0	TYPE=	1	TARGET=	1015.000	
486.00	17.65	347.65	345.25	347.01	348.39	.74	.08	.08	342.00
46000.	22062.	22754.	1184.	3435.	3102.	187.	7186.	575.	342.00
1.65	6.42	7.34	6.35	.045	.070	.045	.000	330.00	3080.00
.004590	10.	10.	10.	3	18	0	.00	1015.00	4095.00

1490 NH CARD USED
*SECNO 490.000

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			3030.0	4050.0	TYPE=	1	TARGET=	1020.000	
490.00	18.37	348.37	344.92	347.60	348.93	.56	.52	.02	336.00
46000.	31295.	11636.	3069.	5151.	1830.	968.	7215.	579.	336.00
1.66	6.08	6.36	3.17	.040	.070	.075	.000	330.00	3030.00
.002089	175.	175.	175.	2	10	0	.00	1020.00	4050.00

1490 NH CARD USED
*SECNO 500.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			3280.0	4155.0	TYPE=	1	TARGET=	875.000	
500.00	18.98	348.98	341.12	348.41	349.38	.40	.44	.02	334.00
45000.	12312.	24485.	8202.	3164.	4370.	1622.	7314.	590.	334.00
1.69	3.89	5.60	5.06	.030	.040	.030	.000	330.00	3280.00
.000473	495.	510.	525.	2	11	0	.00	875.00	4155.00

1490 NH CARD USED
*SECNO 507.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			3851.0	4335.0	TYPE=	1	TARGET=	484.000	
507.00	14.99	348.99	342.91	348.46	349.89	.91	.36	.15	342.00
45000.	158.	43470.	1372.	44.	5623.	286.	7397.	597.	342.00
1.70	3.60	7.73	4.80	.040	.040	.040	.000	334.00	3851.00
.001408	510.	470.	450.	2	14	0	.00	484.00	4335.00

CCHV= .300 CEHV= .500
*SECNO 508.000

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3370 NORMAL BRIDGE, NRD= 49 MIN ELTRD= 352.00 MAX ELLC= 352.00

3470 ENCROACHMENT STATIONS= 3852.0 4334.0 TYPE= 1 TARGET= 482.000
MAGNOLIA AVE BRIDGE (NORMAL BRIDGE ROUTINE)

508.00	14.78	348.78	343.78	348.24	350.14	1.35	.02	.22	342.00
45000.	208.	43382.	1411.	40.	4595.	227.	7398.	597.	342.00
1.70	5.24	9.44	6.22	.040	.030	.040	.000	334.00	3852.00
.002979	10.	10.	10.	2	15	0	-987.46	482.00	4334.00

*SECNO 509.000

3370 NORMAL BRIDGE, NRD= 49 MIN ELTRD= 352.00 MAX ELLC= 352.00

3470 ENCROACHMENT STATIONS= 3851.0 4335.0 TYPE= 1 TARGET= 484.000

509.00	15.04	349.04	343.78	348.63	350.34	1.30	.19	.02	336.00
45000.	1723.	42989.	288.	276.	4637.	57.	7405.	598.	342.00
1.71	6.24	9.27	5.10	.040	.030	.040	.000	334.00	3851.00
.002811	65.	65.	65.	2	15	0	-1008.91	484.00	4335.00

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 510.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3867.0 4352.0 TYPE= 1 TARGET= 485.000

510.00	17.58	349.58	342.66	349.14	350.41	.82	.02	.05	342.00
45000.	365.	43952.	683.	95.	5982.	173.	7407.	598.	341.00
1.71	3.85	7.35	3.95	.040	.040	.040	.000	332.00	3867.00
.001188	10.	10.	10.	2	19	0	.00	485.00	4352.00

1490 NH CARD USED

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 515.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3750.0 4440.0 TYPE= 1 TARGET= 690.000

515.00	18.37	350.37	337.96	350.03	350.59	.21	.12	.06	334.00
45000.	9669.	35331.	0.	2897.	9260.	0.	7464.	602.	100000.00
1.73	3.34	3.82	.00	.040	.040	.000	.000	332.00	3750.00
.000228	250.	275.	350.	2	17	0	.00	690.00	4440.00

1490 NH CARD USED
*SECNO 520.000

3470 ENCROACHMENT STATIONS= 4240.0 4865.0 TYPE= 1 TARGET= 625.000

520.00	18.43	350.43	338.87	350.05	350.73	.31	.12	.03	334.00
45000.	3670.	41015.	315.	1239.	8948.	141.	7607.	610.	334.00
1.76	2.96	4.58	2.23	.040	.031	.040	.000	332.00	4240.00
.000199	515.	560.	590.	2	18	0	.00	625.00	4865.00

1490 NH CARD USED
*SECNO 530.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4170.0 4650.0 TYPE= 1 TARGET= 480.000

530.00	16.37	350.37	341.92	350.00	351.02	.65	.18	.10	334.00
45000.	1132.	36643.	7225.	279.	5337.	1680.	7732.	618.	334.00
1.79	4.06	6.87	4.30	.040	.030	.040	.000	334.00	4170.00
.000462	640.	620.	610.	2	14	0	.00	480.00	4650.00

1490 NH CARD USED
*SECNO 535.000

3470 ENCROACHMENT STATIONS= 2120.0 2530.0 TYPE= 1 TARGET= 410.000

535.00	16.33	350.33	342.92	349.94	351.26	.94	.16	.09	100000.00
45000.	0.	38543.	6457.	0.	4740.	1282.	7775.	621.	336.00
1.80	.00	8.13	5.03	.000	.031	.040	.000	334.00	2120.00
.000744	290.	280.	275.	2	11	0	.00	410.00	2530.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 540.000

3470 ENCROACHMENT STATIONS= 2055.0 2467.0 TYPE= 1 TARGET= 412.000

540.00	16.65	350.65	342.17	350.33	351.50	.84	.22	.01	336.00
45000.	9.	42422.	2570.	12.	5636.	638.	7824.	624.	336.00
1.81	.73	7.53	4.03	.040	.030	.040	.000	334.00	2055.00
.000564	365.	350.	335.	2	8	0	.00	412.00	2467.00

1490 NH CARD USED
*SECNO 550.000

3470 ENCROACHMENT STATIONS= 1830.0 2350.0 TYPE= 1 TARGET= 520.000

550.00	17.10	351.10	343.21	350.75	351.87	.77	.37	.01	336.00
45000.	4576.	34066.	6357.	900.	4424.	1670.	7923.	631.	336.00
1.84	5.08	7.70	3.81	.040	.030	.040	.000	334.00	1830.00
.000570	645.	650.	655.	2	11	0	.00	520.00	2350.00

1490 NH CARD USED
*SECNO 560.000

3470 ENCROACHMENT STATIONS= 1575.0 2200.0 TYPE= 1 TARGET= 625.000

560.00	17.73	351.73	342.49	351.34	352.17	.44	.26	.03	336.00
45000.	2702.	27988.	14310.	867.	4591.	3763.	8035.	639.	336.00
1.87	3.12	6.10	3.80	.050	.031	.040	.000	334.00	1575.00
.000352	605.	600.	595.	2	8	0	.00	625.00	2200.00

1490 NH CARD USED
*SECNO 562.000

3470 ENCROACHMENT STATIONS= 1080.0 1790.0 TYPE= 1 TARGET= 710.000

562.00	17.93	351.93	342.25	351.53	352.27	.35	.09	.01	336.00
45000.	3704.	20884.	20413.	1294.	3642.	5423.	8098.	643.	336.00
1.89	2.86	5.73	3.76	.050	.031	.040	.000	334.00	1080.00
.000305	280.	280.	285.	2	14	0	.00	710.00	1790.00

1490 NH CARD USED
*SECNO 564.000

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

3470 ENCROACHMENT STATIONS= 920.0 1650.0 TYPE= 1 TARGET= 730.000

564.00	18.04	352.04	341.97	351.65	352.34	.30	.07	.00	336.00
45000.	5243.	25208.	14549.	1802.	4979.	4069.	8152.	647.	336.00
1.90	2.91	5.06	3.58	.050	.034	.040	.000	334.00	920.00
.000291	220.	220.	220.	2	14	0	.00	730.00	1650.00

*SECNO 566.000

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 870.0 1405.0 TYPE= 1 TARGET= 535.000

566.00	17.78	351.78	343.50	351.38	352.61	.83	.11	.16	338.00
45000.	2291.	38979.	3729.	1131.	4986.	1364.	8210.	651.	338.00
1.91	2.03	7.82	2.74	.085	.030	.060	.000	334.00	870.00
.000554	280.	280.	280.	2	11	0	.00	535.00	1405.00

*SECNO 570.000

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 1525.0 1960.0 TYPE= 1 TARGET= 435.000

570.00	17.47	351.47	345.56	351.05	353.05	1.58	.21	.22	336.00
45000.	2747.	37994.	4259.	1084.	3493.	1116.	8253.	654.	336.00
1.92	2.53	10.88	3.82	.085	.030	.060	.000	334.00	1525.00
.001073	285.	280.	280.	2	14	0	.00	435.00	1960.00

*SECNO 572.000

3470 ENCROACHMENT STATIONS= 757.0 1150.0 TYPE= 1 TARGET= 393.000

572.00	17.90	351.90	344.37	351.54	353.25	1.34	.18	.02	336.00
45000.	2615.	39463.	2922.	919.	4002.	857.	8278.	656.	336.00
1.93	2.85	9.86	3.41	.085	.030	.060	.000	334.00	757.00
.000853	200.	187.	178.	2	14	0	.00	393.00	1150.00

*SECNO 574.000

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

3470 ENCROACHMENT STATIONS= 705.0 1090.0 TYPE= 1 TARGET= 385.000

574.00	18.55	352.55	342.91	352.23	353.42	.87	.13	.05	336.00
45000.	922.	42269.	1809.	463.	5486.	608.	8306.	658.	336.00
1.93	1.99	7.70	2.97	.085	.030	.060	.000	334.00	705.00
.000496	210.	200.	190.	2	8	0	.00	385.00	1090.00

*SECNO 576.000

3470 ENCROACHMENT STATIONS= 688.0 1060.0 TYPE= 1 TARGET= 372.000

576.00	18.40	352.40	344.59	352.13	353.64	1.24	.10	.11	338.00
45000.	1002.	39040.	4958.	433.	4117.	1333.	8330.	659.	338.00
1.94	2.31	9.48	3.72	.085	.030	.060	.000	334.00	688.00
.000773	190.	170.	165.	2	11	0	.00	372.00	1060.00

*SECNO 582.000

3470 ENCROACHMENT STATIONS= 615.0 1080.0 TYPE= 1 TARGET= 465.000

582.00	16.65	352.65	346.64	352.54	353.93	1.29	.28	.02	338.00
45000.	1788.	35939.	7273.	756.	3582.	1907.	8376.	662.	338.00
1.95	2.37	10.03	3.81	.085	.030	.060	.000	336.00	615.00
.000973	335.	330.	310.	2	11	0	.00	465.00	1080.00

*SECNO 584.000

3470 ENCROACHMENT STATIONS= 538.0 1085.0 TYPE= 1 TARGET= 547.000

584.00	17.24	353.24	345.92	352.84	354.13	.90	.16	.04	338.00
45000.	2630.	33306.	9064.	1075.	3864.	2674.	8407.	665.	338.00
1.96	2.45	8.62	3.39	.085	.030	.060	.000	336.00	538.00
.000686	210.	200.	190.	2	14	0	.00	547.00	1085.00

*SECNO 586.000

3470 ENCROACHMENT STATIONS= 465.0 960.0 TYPE= 1 TARGET= 495.000

586.00	17.31	353.31	346.08	353.06	354.32	1.02	.15	.04	338.00
45000.	3520.	30882.	10598.	1343.	3272.	2638.	8442.	667.	338.00
1.97	2.62	9.44	4.02	.085	.030	.060	.000	336.00	465.00
.000819	205.	205.	205.	2	11	0	.00	495.00	960.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 592.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 371.0 720.0 TYPE= 1 TARGET= 349.000

592.00	16.96	352.96	348.14	352.79	355.10	2.13	.44	.34	338.00
45000.	2993.	33504.	8503.	800.	2525.	1591.	8495.	671.	338.00
1.97	3.74	13.27	5.34	.085	.030	.060	.000	336.00	371.00
.001722	375.	380.	385.	2	19	0	.00	349.00	720.00

*SECNO 594.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 595.0 830.0 TYPE= 1 TARGET= 235.000

594.00	12.93	352.93	352.93	353.27	358.39	5.46	1.19	1.00	342.00
45000.	5001.	33075.	6924.	243.	1887.	307.	8515.	672.	342.00
1.98	20.62	17.53	22.59	.075	.125	.065	.000	340.00	595.00
.073995	230.	230.	230.	0	15	0	.00	235.00	830.00

*SECNO 600.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 660.0 995.0 TYPE= 1 TARGET= 335.000

600.00	18.78	360.78	353.34	360.55	362.00	1.22	3.19	.42	346.00
45000.	12922.	30234.	1844.	1287.	3673.	180.	8528.	673.	346.00
1.98	10.04	8.23	10.24	.075	.125	.065	.000	342.00	660.00
.009960	145.	150.	155.	3	11	0	.00	335.00	995.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 610.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			280.0	645.0	TYPE=	1	TARGET=	365.000	
610.00	21.58	363.58	351.62	363.40	364.22	.65	2.16	.06	346.00
45000.	3003.	40225.	1772.	451.	6293.	243.	8571.	676.	346.00
2.00	6.66	6.39	7.28	.075	.125	.065	.000	342.00	280.00
.005074	295.	315.	355.	3	8	0	.00	365.00	645.00

*SECNO 620.000

3470 ENCROACHMENT STATIONS=			330.0	730.0	TYPE=	1	TARGET=	400.000	
620.00	21.73	365.73	353.74	365.57	366.29	.55	2.05	.01	100000.00
45000.	0.	45000.	0.	0.	7534.	0.	8637.	679.	100000.00
2.01	.00	5.97	.00	.000	.125	.000	.000	344.00	330.00
.005322	395.	395.	395.	2	14	0	.00	400.00	730.00

*SECNO 630.000

3470 ENCROACHMENT STATIONS=			380.0	750.0	TYPE=	1	TARGET=	370.000	
630.00	22.93	366.93	354.56	366.77	367.55	.63	1.24	.02	348.00
45000.	5714.	35532.	3754.	827.	5924.	446.	8682.	681.	348.00
2.03	6.91	6.00	8.42	.075	.125	.065	.000	344.00	380.00
.004196	235.	265.	295.	2	11	0	.00	370.00	750.00

*SECNO 640.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			401.0	600.0	TYPE=	1	TARGET=	199.000	

FINAL CROSS SECTION - APPROX. 200 FT. DOWNSTREAM OF RIVERFORD BRIDGE

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
640.00	22.41	368.41	360.72	368.29	370.59	2.18	2.57	.47	350.00
45000.	4545.	36553.	3902.	368.	3124.	306.	8726.	684.	350.00
2.03	12.34	11.70	12.75	.075	.125	.065	.000	346.00	401.00
.016116	345.	350.	355.	2	14	0	.00	199.00	600.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 705.0 1090.0 TYPE= 1 TARGET= 385.000

574.00	18.55	352.55	342.91	352.23	353.42	.87	.13	.05	336.00
45000.	922.	42269.	1809.	463.	5486.	608.	8306.	658.	336.00
1.93	1.99	7.70	2.97	.085	.030	.060	.000	334.00	705.00
.000496	210.	200.	190.	2	8	0	.00	385.00	1090.00

*SECNO 576.000

3470 ENCROACHMENT STATIONS= 688.0 1060.0 TYPE= 1 TARGET= 372.000

576.00	18.40	352.40	344.59	352.13	353.64	1.24	.10	.11	338.00
45000.	1002.	39040.	4958.	433.	4117.	1333.	8330.	659.	338.00
1.94	2.31	9.48	3.72	.085	.030	.060	.000	334.00	688.00
.000773	190.	170.	165.	2	11	0	.00	372.00	1060.00

*SECNO 582.000

3470 ENCROACHMENT STATIONS= 615.0 1080.0 TYPE= 1 TARGET= 465.000

582.00	16.65	352.65	346.64	352.54	353.93	1.29	.28	.02	338.00
45000.	1788.	35939.	7273.	756.	3582.	1907.	8376.	662.	338.00
1.95	2.37	10.03	3.81	.085	.030	.060	.000	336.00	615.00
.000973	335.	330.	310.	2	11	0	.00	465.00	1080.00

*SECNO 584.000

3470 ENCROACHMENT STATIONS= 538.0 1085.0 TYPE= 1 TARGET= 547.000

584.00	17.24	353.24	345.92	352.84	354.13	.90	.16	.04	338.00
45000.	2630.	33306.	9064.	1075.	3864.	2674.	8407.	665.	338.00
1.96	2.45	8.62	3.39	.085	.030	.060	.000	336.00	538.00
.000686	210.	200.	190.	2	14	0	.00	547.00	1085.00

*SECNO 586.000

3470 ENCROACHMENT STATIONS= 465.0 960.0 TYPE= 1 TARGET= 495.000

586.00	17.31	353.31	346.08	353.06	354.32	1.02	.15	.04	338.00
45000.	3520.	30882.	10598.	1343.	3272.	2638.	8442.	667.	338.00
1.97	2.62	9.44	4.02	.085	.030	.060	.000	336.00	465.00
.000819	205.	205.	205.	2	11	0	.00	495.00	960.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 592.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 371.0 720.0 TYPE= 1 TARGET= 349.000

592.00	16.96	352.96	348.14	352.79	355.10	2.13	.44	.34	338.00
45000.	2993.	33504.	8503.	800.	2525.	1591.	8495.	671.	338.00
1.97	3.74	13.27	5.34	.085	.030	.060	.000	336.00	371.00
.001722	375.	380.	385.	2	19	0	.00	349.00	720.00

*SECNO 594.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 595.0 830.0 TYPE= 1 TARGET= 235.000

594.00	12.93	352.93	352.93	353.27	358.39	5.46	1.19	1.00	342.00
45000.	5001.	33075.	6924.	243.	1887.	307.	8515.	672.	342.00
1.98	20.62	17.53	22.59	.075	.125	.065	.000	340.00	595.00
.073995	230.	230.	230.	0	15	0	.00	235.00	830.00

*SECNO 600.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 660.0 995.0 TYPE= 1 TARGET= 335.000

600.00	18.78	360.78	353.34	360.55	362.00	1.22	3.19	.42	346.00
45000.	12922.	30234.	1844.	1287.	3673.	180.	8528.	673.	346.00
1.98	10.04	8.23	10.24	.075	.125	.065	.000	342.00	660.00
.009960	145.	150.	155.	3	11	0	.00	335.00	995.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 610.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 280.0 645.0 TYPE= 1 TARGET= 365.000

610.00	21.58	363.58	351.62	363.40	364.22	.65	2.16	.06	346.00
45000.	3003.	40225.	1772.	451.	6293.	243.	8571.	676.	346.00
2.00	6.66	6.39	7.28	.075	.125	.065	.000	342.00	280.00
.005074	295.	315.	355.	3	8	0	.00	365.00	645.00

*SECNO 620.000

3470 ENCROACHMENT STATIONS= 330.0 730.0 TYPE= 1 TARGET= 400.000

620.00	21.73	365.73	353.74	365.57	366.29	.55	2.05	.01	100000.00
45000.	0.	45000.	0.	0.	7534.	0.	8637.	679.	100000.00
2.01	.00	5.97	.00	.000	.125	.000	.000	344.00	330.00
.005322	395.	395.	395.	2	14	0	.00	400.00	730.00

*SECNO 630.000

3470 ENCROACHMENT STATIONS= 380.0 750.0 TYPE= 1 TARGET= 370.000

630.00	22.93	366.93	354.56	366.77	367.55	.63	1.24	.02	348.00
45000.	5714.	35532.	3754.	827.	5924.	446.	8682.	681.	348.00
2.03	6.91	6.00	8.42	.075	.125	.065	.000	344.00	380.00
.004196	235.	265.	295.	2	11	0	.00	370.00	750.00

*SECNO 640.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 401.0 600.0 TYPE= 1 TARGET= 199.000

FINAL CROSS SECTION - APPROX. 200 FT. DOWNSTREAM OF RIVERFORD BRIDGE

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
640.00	22.41	368.41	360.72	368.29	370.59	2.18	2.57	.47	350.00
45000.	4545.	36553.	3902.	368.	3124.	306.	8726.	684.	350.00
2.03	12.34	11.70	12.75	.075	.125	.065	.000	346.00	401.00
.016116	345.	350.	355.	2	14	0	.00	199.00	600.00

THIS RUN EXECUTED 6/24/92 13: 1:54

****

HEC2 RELEASE DATED SEPT 88

****

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

PROFILE 1 - 100 YEAR FLO

SUMMARY PRINTOUT

FLOODPLAIN

FLOODWAY

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
*	100.000	282.55	282.55	12.55	50000.00	439.54	49530.04	30.42	287.42	1983.91	10.96	17.77	8.08
	100.000	283.55	282.25	13.55	50000.00	15.44	49984.56	.00	287.73	1528.67	5.48	16.41	.00
*	110.000	289.82	285.87	15.82	50000.00	4747.03	44044.85	1208.12	292.22	611.20	16.65	11.88	12.34
*	110.000	289.63	285.82	15.63	50000.00	4273.80	44813.60	912.60	292.23	661.82	18.47	12.26	12.99
*	120.000	292.90	286.24	18.90	50000.00	5983.88	39075.13	4941.00	294.45	271.54	12.95	9.09	12.48
*	120.000	292.95	286.24	18.95	50000.00	5724.87	39307.86	4967.27	294.55	272.41	13.80	9.12	12.67
*	130.000	300.44	289.33	24.44	50000.00	9040.13	28780.63	12179.24	301.19	74.26	7.08	5.61	9.40
*	130.000	301.07	289.06	25.07	50000.00	3243.99	32665.40	14090.61	302.01	87.16	8.76	6.20	10.42
	140.000	304.49	290.26	28.49	50000.00	6255.16	35398.74	8346.10	305.19	69.65	7.50	5.88	8.98
	140.000	305.52	290.32	29.52	50000.00	3868.47	37349.01	8782.52	306.26	67.77	8.92	5.96	9.31
*	150.000	305.95	288.36	25.95	50000.00	1439.87	25150.03	23410.09	306.20	7.86	2.14	2.20	5.41
*	150.000	306.90	288.34	26.90	50000.00	688.81	24398.49	24912.70	307.15	6.52	2.12	2.05	5.23
*	160.000	306.49	292.18	24.49	50000.00	42430.20	4574.35	2995.44	306.59	3.40	2.60	2.59	1.67
*	160.000	307.38	292.18	25.38	50000.00	41862.43	4575.37	3562.20	307.48	2.97	2.49	2.49	1.78
*	170.000	306.61	293.99	24.61	50000.00	33634.66	2046.90	14318.44	306.66	1.45	1.92	1.63	1.75
*	170.000	307.48	293.93	25.48	50000.00	35733.69	2165.61	12100.71	307.54	1.42	1.96	1.66	1.93
*	180.000	306.65	293.03	20.65	50000.00	38997.22	4716.69	6286.09	306.72	.73	2.23	1.11	1.20
	180.000	307.53	293.01	21.53	50000.00	42028.15	5077.55	2894.29	307.60	.73	2.29	1.14	1.50
	190.000	306.68	290.51	20.68	50000.00	45963.77	3762.62	273.61	306.75	.41	2.20	.84	.52
*	190.000	307.56	290.51	21.56	50000.00	45892.87	3773.71	333.42	307.63	.35	2.11	.81	.56
*	200.000	306.74	290.78	20.74	50000.00	32505.22	2922.58	14572.19	306.81	3.05	1.58	1.37	3.11
*	200.000	307.61	290.78	21.61	50000.00	32050.01	2925.98	15024.01	307.68	2.60	1.51	1.30	3.07

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
	209.000	306.86	292.00	20.86	50000.00	22775.46	6120.35	21104.18	306.94	3.28	1.54	1.43	2.93
	209.000	307.71	291.98	21.71	50000.00	23058.53	6242.88	20698.60	307.80	2.91	1.50	1.39	3.10
*	210.000	306.78	299.60	20.78	50000.00	10284.65	8978.33	30737.02	306.98	7.17	1.43	2.11	4.32
*	210.000	307.63	299.57	21.63	50000.00	11055.12	9059.90	29884.99	307.84	6.22	1.42	2.03	4.51
*	211.000	306.92	292.00	20.92	50000.00	22727.08	6106.50	21166.43	307.00	3.23	1.53	1.43	2.92
*	211.000	307.77	291.98	21.77	50000.00	23023.59	6233.83	20742.58	307.85	2.87	1.49	1.39	3.09
	220.000	307.13	298.96	19.13	50000.00	8657.76	5215.09	36127.14	307.27	3.18	3.07	.91	3.24
	220.000	307.95	298.90	19.95	50000.00	8150.04	5111.31	36738.65	308.09	2.63	3.06	.85	3.12
	230.000	307.25	299.47	19.25	50000.00	3842.25	4011.86	42145.89	307.49	4.75	3.64	1.11	4.13
	230.000	308.05	299.28	20.05	50000.00	4070.61	4003.81	41925.57	308.28	4.10	3.55	1.06	4.02
*	239.000	307.10	298.48	17.10	50000.00	2952.22	15410.44	31637.33	308.18	33.57	9.33	2.82	9.93
*	239.000	307.90	298.52	17.90	50000.00	2940.00	14920.17	32139.83	308.87	26.94	8.66	2.60	9.34
*	240.000	309.17	298.36	19.17	50000.00	71.67	49928.34	.00	309.70	150.03	6.36	5.88	.00
*	240.000	309.62	298.34	19.62	50000.00	38.01	49961.99	.00	310.13	134.21	5.37	5.75	.00
*	242.000	309.14	298.80	19.14	50000.00	25.04	49974.96	.00	309.78	10.91	2.27	6.42	.00
*	242.000	309.60	298.80	19.60	50000.00	6.59	49993.41	.00	310.21	10.11	1.54	6.26	.00
	243.000	309.22	298.80	19.22	50000.00	.00	49963.21	36.79	309.85	10.75	.00	6.39	2.27
	243.000	309.67	298.80	19.67	50000.00	.00	49961.50	38.51	310.27	9.92	.00	6.24	2.22
*	244.000	309.37	298.90	19.37	50000.00	.00	50000.00	.00	309.91	75.22	.00	5.87	.00
*	244.000	309.81	298.90	19.81	50000.00	.00	50000.00	.00	310.32	68.10	.00	5.73	.00
*	245.000	309.96	297.46	19.96	50000.00	20709.59	21638.68	7651.73	310.32	9.32	6.46	2.36	4.64
*	245.000	310.21	297.39	20.21	50000.00	22773.35	25895.30	1331.34	310.80	12.80	8.49	2.79	5.70
	250.000	310.76	299.80	20.76	50000.00	8418.52	6928.99	34652.49	310.93	6.68	4.05	2.01	3.27
	250.000	311.39	300.15	21.39	50000.00	10121.22	8573.89	31304.88	311.63	9.21	5.34	2.40	3.72
*	260.000	311.65	306.19	17.65	50000.00	909.28	10883.84	38206.88	312.56	43.12	2.50	4.25	8.42
*	260.000	312.61	306.21	18.61	50000.00	823.34	10858.36	38318.30	313.46	34.98	2.63	3.99	8.21
	270.000	314.82	307.73	16.82	49000.00	6620.07	7842.30	34537.63	315.36	21.29	2.47	3.02	6.84
	270.000	315.40	307.73	17.40	49000.00	5348.92	8594.57	35056.51	316.10	22.57	2.86	3.19	7.67
*	280.000	316.53	308.55	16.53	49000.00	6209.83	2786.43	40003.74	316.70	8.29	1.46	1.83	3.55
*	280.000	317.32	308.67	17.32	49000.00	6006.91	3089.11	39903.98	317.51	8.59	1.46	1.93	3.74
	285.000	317.04	309.79	15.04	49000.00	4435.14	1793.47	42771.39	317.20	6.50	2.31	1.53	3.27
	285.000	317.82	309.79	15.82	49000.00	3934.17	1799.70	43266.13	317.97	5.45	2.50	1.45	3.18
	290.000	317.51	311.73	15.51	49000.00	8387.77	2340.77	38271.45	317.69	8.72	3.89	1.72	3.37
	290.000	318.22	311.69	16.22	49000.00	3992.56	2491.26	42516.18	318.41	8.29	4.49	1.74	3.46

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
*	300.000	318.24	314.09	12.24	49000.00	3664.32	3237.14	42098.54	318.55	18.92	4.41	2.03	4.61
*	300.000	318.90	314.05	12.90	49000.00	.00	3310.40	45689.60	319.21	16.99	.00	1.97	4.58
	310.000	319.19	313.84	11.19	49000.00	2135.26	1304.05	45560.69	319.41	10.86	2.79	1.36	3.83
	310.000	319.83	314.39	11.83	49000.00	1030.52	1651.52	46317.95	320.12	13.36	3.92	1.59	4.34
*	320.000	320.71	317.84	10.71	49000.00	804.11	11393.19	36802.70	321.33	64.72	6.41	3.84	6.89
*	320.000	321.55	317.88	11.55	49000.00	.00	10705.56	38294.45	322.18	52.97	.00	3.68	6.91
*	330.000	323.86	318.57	11.86	48000.00	23228.34	8456.57	16315.09	324.31	25.86	5.70	4.59	5.29
*	330.000	324.35	318.63	12.35	48000.00	22842.52	8709.59	16447.88	324.79	23.92	5.68	4.53	5.32
	340.000	325.21	319.00	15.21	48000.00	8121.16	21990.63	17888.21	325.58	23.99	5.08	4.38	5.46
	340.000	325.60	319.00	15.60	48000.00	8213.52	21849.17	17937.31	325.95	21.17	4.94	4.21	5.26
	345.000	325.96	320.63	13.96	48000.00	12602.07	25559.24	9838.69	326.39	33.38	5.70	4.90	5.57
	345.000	326.26	320.55	14.26	48000.00	11242.15	26404.65	10353.21	326.71	32.57	6.11	4.93	5.61
	355.000	327.04	322.71	13.04	48000.00	11841.53	30685.59	5472.88	327.55	47.59	5.64	5.70	6.31
	355.000	327.32	322.64	13.32	48000.00	9926.16	32246.61	5827.23	327.87	48.04	6.19	5.83	6.47
	356.000	328.43	325.38	12.43	48000.00	11547.32	35450.64	1002.04	329.29	86.42	6.02	7.87	7.36
	356.000	328.73	325.13	12.73	48000.00	7883.78	38970.32	1145.89	329.75	95.29	6.48	8.42	7.87
*	358.000	328.06	.00	12.06	48000.00	6927.53	41055.46	17.01	329.29	30.23	3.66	9.50	2.40
*	358.000	328.47	.00	12.47	48000.00	5159.54	42800.66	39.80	329.75	28.76	3.85	9.52	2.49
	360.000	329.95	323.27	13.95	48000.00	37141.04	8472.66	2386.30	330.30	16.62	5.10	3.68	2.23
	360.000	330.36	323.24	14.36	48000.00	38366.72	8872.63	760.65	330.74	16.24	5.20	3.72	2.47
	370.000	330.57	324.06	12.57	48000.00	35159.80	3676.55	9163.64	330.80	12.06	4.22	3.23	2.44
	370.000	330.97	324.06	12.97	48000.00	39624.59	4117.46	4257.95	331.26	13.61	4.59	3.51	2.71
	380.000	330.97	324.77	12.97	48000.00	33764.25	2402.13	11833.62	331.20	13.05	4.20	3.41	2.66
	380.000	331.42	324.95	13.42	48000.00	39771.87	2788.83	5439.31	331.73	15.68	4.72	3.83	3.03
	390.000	331.74	326.44	13.74	48000.00	32610.24	6858.39	8531.37	332.14	23.39	5.62	4.14	3.26
	390.000	332.32	326.71	14.32	48000.00	33909.73	7733.60	6356.67	332.80	25.02	6.04	4.43	3.50
	400.000	332.86	323.70	14.86	48000.00	5050.22	40248.66	2701.12	333.16	12.57	5.12	4.20	5.36
*	400.000	333.52	323.70	15.52	48000.00	2552.38	42647.24	2800.37	333.83	12.20	5.36	4.26	5.82
	410.000	333.65	324.11	15.65	48000.00	2800.71	42631.76	2567.53	334.00	11.18	4.84	4.75	5.12
	410.000	334.27	324.11	16.27	48000.00	2971.53	42389.65	2638.82	334.59	9.71	4.67	4.54	5.05
	415.000	334.47	324.08	16.47	48000.00	2282.54	42196.28	3521.18	334.77	8.59	4.91	4.27	4.99
	415.000	334.99	324.08	16.99	48000.00	2348.61	42027.71	3623.68	335.27	7.67	4.77	4.12	4.85
	420.000	334.92	325.37	16.92	48000.00	3535.89	39702.05	4762.06	335.34	14.90	6.74	4.81	6.86
	420.000	335.38	325.39	17.38	48000.00	3592.24	39547.61	4860.15	335.78	13.42	6.61	4.66	6.66

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
*	421.000	334.98	331.64	10.98	48000.00	2496.23	45230.37	273.41	336.66	51.57	10.19	10.45	6.69
*	421.000	335.42	331.65	11.42	48000.00	2538.04	45183.52	278.45	336.97	45.14	9.98	10.04	6.82
	422.000	334.44	332.77	10.44	48000.00	1540.73	46032.39	426.87	337.32	64.28	10.32	13.75	6.28
	422.000	334.94	332.77	10.94	48000.00	1594.96	45956.65	448.39	337.55	56.16	10.16	13.10	6.22
	423.000	335.48	332.76	11.48	48000.00	1678.35	45820.74	500.91	337.84	48.74	9.54	12.45	5.96
	423.000	335.74	332.77	11.74	48000.00	1693.80	45803.94	502.26	337.99	45.78	9.60	12.17	5.95
	424.000	336.18	333.45	10.18	48000.00	1280.97	44711.55	2007.48	338.04	63.11	7.81	11.09	9.10
	424.000	336.38	333.45	10.38	48000.00	1262.15	44749.20	1988.65	338.18	59.20	7.78	10.88	9.21
*	425.000	338.72	333.13	12.72	48000.00	20634.99	17355.63	10009.38	339.19	18.49	5.84	4.56	6.36
*	425.000	338.80	333.12	12.80	48000.00	20039.55	17718.98	10241.47	339.30	18.86	6.05	4.63	6.45
	430.000	339.61	334.34	13.61	48000.00	11260.05	10256.48	26483.47	339.97	14.12	3.25	4.18	5.55
	430.000	339.81	336.97	13.81	48000.00	17571.39	16763.61	13665.00	340.60	35.89	5.77	6.73	8.90
*	440.000	340.57	337.09	12.57	46000.00	27332.40	12913.81	5753.79	341.14	32.51	6.25	6.03	4.61
	440.000	341.64	337.08	13.64	46000.00	29010.05	12410.47	4579.49	342.16	22.80	5.99	5.34	5.51
*	450.000	341.22	334.54	13.22	46000.00	7099.60	38472.51	427.89	341.65	4.23	1.99	5.68	.92
*	450.000	342.18	334.56	14.18	46000.00	7483.19	38260.44	256.36	342.55	3.31	2.00	5.27	1.53
	460.000	341.51	333.19	13.51	46000.00	3030.39	42547.37	422.24	341.81	2.60	1.28	4.50	.83
	460.000	342.41	333.20	14.41	46000.00	2251.88	43469.58	278.54	342.68	2.19	1.39	4.32	1.41
*	470.000	341.70	337.47	13.70	46000.00	34103.78	11300.97	595.25	342.25	26.39	5.98	6.03	5.24
*	470.000	342.47	338.64	14.47	46000.00	36001.08	9998.92	.00	343.11	24.64	6.61	5.65	.00
*	480.000	343.90	343.90	13.90	46000.00	6049.24	39620.65	330.11	345.96	113.45	4.96	12.25	4.48
*	480.000	343.68	343.68	13.68	46000.00	3212.94	42780.13	6.93	346.32	140.13	4.89	13.46	2.76
*	483.000	345.96	344.09	15.96	46000.00	14527.80	28588.81	2883.39	346.74	42.54	4.85	8.14	5.46
*	483.000	346.25	343.93	16.25	46000.00	12548.46	32331.18	1120.36	347.27	50.80	5.34	9.02	6.07
	484.000	346.57	344.90	16.57	46000.00	21120.35	21442.27	3437.39	347.31	56.26	6.23	7.61	6.34
	484.000	347.02	345.28	17.02	46000.00	20587.64	24264.12	1148.25	347.93	62.59	6.88	8.26	6.92
*	485.000	346.34	345.55	6.34	46000.00	28646.99	12983.34	4369.67	347.52	125.62	8.97	7.96	9.17
*	485.000	346.65	346.08	6.65	46000.00	28396.00	15976.44	1627.57	348.22	162.10	10.44	9.34	10.63
*	486.000	347.01	344.97	17.01	46000.00	22301.78	20362.62	3335.60	347.65	44.33	5.91	6.94	6.01
*	486.000	347.65	345.25	17.65	46000.00	22061.97	22753.75	1184.27	348.39	45.90	6.42	7.34	6.35
	490.000	347.60	344.97	17.60	46000.00	29672.88	12938.82	3388.30	348.30	30.18	6.76	7.41	2.79
*	490.000	348.37	344.92	18.37	46000.00	31295.43	11635.80	3068.76	348.93	20.89	6.08	6.36	3.17
*	500.000	348.41	340.90	18.41	45000.00	9275.79	24935.60	10788.62	348.87	5.46	4.20	5.89	5.54
*	500.000	348.98	341.12	18.98	45000.00	12312.50	24485.27	8202.24	349.38	4.73	3.89	5.60	5.06

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
*	507.000	348.46	342.94	14.46	45000.00	433.74	43284.47	1281.78	349.44	15.99	1.31	8.02	4.80
*	507.000	348.99	342.91	14.99	45000.00	157.96	43470.42	1371.62	349.89	14.08	3.60	7.73	4.80
*	508.000	348.24	343.81	14.24	45000.00	281.76	43411.40	1306.84	349.71	33.68	1.89	9.86	6.18
*	508.000	348.78	343.78	14.78	45000.00	207.94	43381.50	1410.56	350.14	29.79	5.24	9.44	6.22
	509.000	348.63	343.83	14.63	45000.00	2157.12	42568.43	274.46	349.96	30.23	3.52	9.48	4.79
	509.000	349.04	343.78	15.04	45000.00	1723.03	42988.84	288.13	350.34	28.11	6.24	9.27	5.10
*	510.000	349.14	342.66	17.14	45000.00	346.63	44007.95	645.42	350.02	13.26	3.82	7.60	3.89
*	510.000	349.58	342.66	17.58	45000.00	365.16	43952.22	682.62	350.41	11.88	3.85	7.35	3.95
*	515.000	350.03	337.92	18.03	45000.00	12448.68	31700.07	851.25	350.20	1.82	2.97	3.44	2.78
*	515.000	350.37	337.96	18.37	45000.00	9668.90	35331.10	.00	350.59	2.28	3.34	3.82	.00
	520.000	350.05	338.87	18.05	45000.00	3519.75	39699.54	1780.71	350.34	2.00	2.94	4.53	2.36
	520.000	350.43	338.87	18.43	45000.00	3670.36	41014.71	314.93	350.73	1.99	2.96	4.58	2.23
*	530.000	350.00	341.92	16.00	45000.00	2187.67	35680.74	7131.60	350.63	4.73	3.43	6.84	4.19
*	530.000	350.37	341.92	16.37	45000.00	1131.69	36643.10	7225.22	351.02	4.62	4.06	6.87	4.30
	535.000	349.94	342.92	15.94	45000.00	774.17	38056.98	6168.85	350.88	7.13	3.55	8.22	4.53
	535.000	350.33	342.92	16.33	45000.00	.00	38543.30	6456.70	351.26	7.44	.00	8.13	5.03
	540.000	350.33	342.11	16.33	45000.00	2018.31	40569.55	2412.15	351.11	5.50	4.13	7.34	3.86
	540.000	350.65	342.17	16.65	45000.00	8.59	42421.59	2569.82	351.50	5.64	.73	7.53	4.03
	550.000	350.75	343.27	16.75	45000.00	5900.62	33086.71	6012.67	351.48	5.77	4.30	7.64	3.72
	550.000	351.10	343.21	17.10	45000.00	4576.40	34066.30	6357.30	351.87	5.70	5.08	7.70	3.81
	560.000	351.34	342.52	17.34	45000.00	2817.36	27770.23	14412.41	351.79	3.74	3.05	6.19	3.83
	560.000	351.73	342.49	17.73	45000.00	2702.19	27987.60	14310.21	352.17	3.52	3.12	6.10	3.80
	562.000	351.53	342.29	17.53	45000.00	3716.00	20926.40	20357.60	351.89	3.30	2.88	5.88	3.83
	562.000	351.93	342.25	17.93	45000.00	3703.88	20883.51	20412.61	352.27	3.05	2.86	5.73	3.76
	564.000	351.65	341.96	17.65	45000.00	5323.74	25249.68	14426.58	351.97	3.14	2.93	5.18	3.63
	564.000	352.04	341.97	18.04	45000.00	5242.91	25208.25	14548.84	352.34	2.91	2.91	5.06	3.58
	566.000	351.38	343.50	17.38	45000.00	2381.65	38975.88	3642.47	352.25	5.98	1.98	8.00	2.74
	566.000	351.78	343.50	17.78	45000.00	2291.27	38979.42	3729.32	352.61	5.54	2.03	7.82	2.74
	570.000	351.05	345.56	17.05	45000.00	2668.25	38116.58	4215.16	352.72	11.71	2.56	11.18	3.85
	570.000	351.47	345.56	17.47	45000.00	2746.69	37994.10	4259.21	353.05	10.73	2.53	10.88	3.82
	572.000	351.54	344.37	17.54	45000.00	2594.57	39473.14	2932.29	352.94	9.13	2.88	10.07	3.38
	572.000	351.90	344.37	17.90	45000.00	2615.14	39463.08	2921.78	353.25	8.53	2.85	9.86	3.41
	574.000	352.23	342.95	18.23	45000.00	913.89	42161.19	1924.92	353.13	5.23	2.00	7.82	2.78
	574.000	352.55	342.91	18.55	45000.00	922.34	42268.61	1809.05	353.42	4.96	1.99	7.70	2.97

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
	576.000	352.13	344.64	18.13	45000.00	974.31	38207.11	5818.58	353.33	7.78	2.25	9.42	3.63
	576.000	352.40	344.59	18.40	45000.00	1001.86	39039.84	4958.31	353.64	7.73	2.31	9.48	3.72
	582.000	352.54	346.60	16.54	45000.00	2142.75	33447.15	9410.10	353.61	8.61	2.15	9.39	3.59
	582.000	352.65	346.64	16.65	45000.00	1788.25	35938.52	7273.23	353.93	9.73	2.37	10.03	3.81
	584.000	352.84	345.92	16.84	45000.00	2601.64	33311.14	9087.21	353.78	7.42	2.48	8.83	3.42
	584.000	353.24	345.92	17.24	45000.00	2629.92	33305.62	9064.46	354.13	6.86	2.45	8.62	3.39
	586.000	353.06	345.95	17.06	45000.00	3275.13	28996.77	12728.10	353.94	7.58	2.48	8.99	3.79
	586.000	353.31	346.08	17.31	45000.00	3520.21	30882.23	10597.57	354.32	8.19	2.62	9.44	4.02
*	592.000	352.79	347.93	16.79	45000.00	2800.17	31496.20	10703.63	354.63	15.77	3.53	12.61	5.13
*	592.000	352.96	348.14	16.96	45000.00	2993.29	33503.95	8502.76	355.10	17.22	3.74	13.27	5.34
*	594.000	353.27	353.27	13.27	45000.00	5136.37	32643.34	7220.29	358.23	660.48	19.54	16.85	20.91
*	594.000	352.93	352.93	12.93	45000.00	5001.11	33075.16	6923.72	358.39	739.95	20.62	17.53	22.59
*	600.000	360.55	353.32	18.55	45000.00	12812.21	30205.13	1982.66	361.79	103.75	10.06	8.33	10.07
*	600.000	360.78	353.34	18.78	45000.00	12922.07	30233.79	1844.14	362.00	99.60	10.04	8.23	10.24
*	610.000	363.40	351.58	21.40	45000.00	3731.79	39442.21	1826.00	364.03	50.19	6.46	6.32	7.33
*	610.000	363.58	351.62	21.58	45000.00	3002.62	40225.27	1772.11	364.22	50.74	6.66	6.39	7.28
	620.000	365.57	353.73	21.57	45000.00	40.75	44898.39	60.86	366.11	54.31	1.24	5.87	2.15
	620.000	365.73	353.74	21.73	45000.00	.00	45000.00	.00	366.29	53.22	.00	5.97	.00
	630.000	366.77	354.55	22.77	45000.00	7137.99	34115.39	3746.62	367.33	39.61	6.12	5.80	7.41
	630.000	366.93	354.56	22.93	45000.00	5714.01	35532.07	3753.93	367.55	41.96	6.91	6.00	8.42
*	640.000	368.29	360.93	22.29	45000.00	4081.82	32759.11	8159.07	369.99	131.94	10.84	10.55	9.96
*	640.000	368.41	360.72	22.41	45000.00	4545.05	36553.00	3901.95	370.59	161.16	12.34	11.70	12.75

ROFILE 1 - 100 YEAR FLO

SUMMARY PRINTOUT

	SECNO	STCHL	XLBEL	STCHR	RBEL	K*XNL	K*XNCH	K*XNR	XLCH	K*CHSL	AREA	CASE	OLOSS
*	100.000	340.80	280.00	600.70	280.00	80.00	180.00	80.00	.00	.00	2831.33	1.00	.00
	100.000	340.80	280.00	600.70	100000.00	80.00	180.00	.00	.00	.00	3048.03	.00	.00
*	110.000	339.70	280.00	600.30	280.00	80.00	180.00	80.00	45.00	88.89	4089.00	16384.00	.25
*	110.000	339.70	280.00	600.30	280.00	80.00	180.00	80.00	45.00	88.89	3958.02	16384.00	.16
*	120.000	354.50	280.00	602.50	280.00	80.00	180.00	80.00	55.00	.00	5158.88	16384.00	.08
*	120.000	354.50	280.00	602.50	280.00	80.00	180.00	80.00	55.00	.00	5118.94	16384.00	.10
*	130.000	353.00	280.00	583.50	280.00	80.00	180.00	80.00	520.00	3.85	7700.22	16384.00	.08
*	130.000	353.00	280.00	583.50	280.00	80.00	180.00	80.00	520.00	3.85	6994.77	16384.00	.07
	140.000	242.60	284.00	482.40	284.00	80.00	180.00	80.00	555.00	.00	7779.94	.00	.00
	140.000	242.60	284.00	482.40	284.00	80.00	180.00	80.00	555.00	.00	7641.86	.00	.01
*	150.000	273.60	290.00	738.10	290.00	80.00	160.00	35.00	580.00	6.90	16445.68	16384.00	.01
*	150.000	273.60	290.00	738.10	290.00	80.00	160.00	35.00	580.00	6.90	16976.65	16384.00	.01
*	160.000	1331.10	292.00	1412.30	290.00	72.19	80.00	47.35	670.00	2.99	19913.96	16384.00	.00
*	160.000	1331.10	292.00	1412.30	290.00	73.09	80.00	46.64	670.00	2.99	20632.64	16384.00	.00
*	170.000	1483.20	292.00	1544.10	290.00	60.27	80.00	51.06	320.00	.00	26998.31	16384.00	.00
*	170.000	1483.20	292.00	1544.10	290.00	60.55	80.00	54.14	320.00	.00	25770.28	16384.00	.00
*	180.000	1530.00	292.00	1759.00	290.00	38.36	80.00	40.00	550.00	7.27	26973.68	16384.00	.00
	180.000	1530.00	292.00	1759.00	290.00	38.51	80.00	40.00	550.00	7.27	24749.20	.00	.00
	190.000	1576.30	296.00	1809.70	290.00	30.92	80.00	56.67	505.00	.00	25874.14	.00	.00
*	190.000	1576.30	296.00	1809.70	290.00	30.95	80.00	54.37	505.00	.00	27001.29	16384.00	.00
*	200.000	1439.70	296.00	1562.70	294.00	117.99	125.00	41.69	740.00	.00	27361.06	16384.00	.00
*	200.000	1439.70	296.00	1562.70	294.00	118.38	125.00	41.76	740.00	.00	28402.78	16384.00	.00
	209.000	1233.40	298.00	1479.20	294.00	122.04	125.00	40.00	390.00	.00	26228.00	.00	.00
	209.000	1233.40	298.00	1479.20	294.00	122.11	125.00	40.00	390.00	.00	26517.09	.00	.00
*	210.000	1233.40	298.00	1479.20	294.00	115.60	125.00	40.00	10.00	.00	18545.81	16384.00	.04
*	210.000	1233.40	298.00	1479.20	294.00	116.39	125.00	40.00	10.00	.00	18855.02	16384.00	.04
*	211.000	1233.40	298.00	1479.20	294.00	121.99	125.00	40.00	10.00	.00	26347.21	16384.00	.01
*	211.000	1233.40	298.00	1479.20	294.00	122.08	125.00	40.00	10.00	.00	26617.63	16384.00	.01
	220.000	745.80	292.00	1065.00	292.00	40.00	200.00	40.00	810.00	2.47	19702.38	.00	.02
	220.000	745.80	292.00	1065.00	292.00	40.00	200.00	40.00	810.00	2.47	20444.99	.00	.02
	230.000	941.10	292.00	1142.70	292.00	40.00	200.00	40.00	490.00	.00	14872.59	.00	.03
	230.000	941.10	292.00	1142.70	292.00	40.00	200.00	40.00	490.00	.00	15346.90	.00	.03

	SECNO	STCHL	XLBEL	STCHR	RBEL	K*XNL	K*XNCH	K*XNR	XLCH	K*CHSL	AREA	CASE	OLOSS
*	239.000	2398.50	294.00	2724.40	294.00	40.00	200.00	40.00	420.00	4.76	8977.21	16384.00	.25
*	239.000	2398.50	294.00	2724.40	294.00	40.00	200.00	40.00	420.00	4.76	9513.96	16384.00	.22
*	240.000	2519.30	306.00	3031.90	310.00	40.00	200.00	.00	230.00	.00	8502.70	16384.00	.05
*	240.000	2519.30	306.00	3031.90	100000.00	40.00	200.00	.00	230.00	.00	8703.58	16384.00	.05
*	242.000	2519.30	306.00	3031.90	310.00	30.00	40.00	.00	10.00	.00	7796.83	16384.00	.05
*	242.000	2519.30	306.00	3031.90	100000.00	30.00	40.00	.00	10.00	.00	7995.24	16384.00	.05
	243.000	2480.00	313.00	3001.90	300.00	.00	40.00	30.00	65.00	.00	7832.66	.00	.00
	243.000	2480.00	100000.00	3001.90	300.00	.00	40.00	30.00	65.00	.00	8027.22	.00	.00
*	244.000	2550.50	310.00	3075.60	310.00	.00	140.00	.00	10.00	.00	8510.74	16384.00	.03
*	244.000	2550.50	100000.00	3075.60	100000.00	.00	140.00	.00	10.00	.00	8721.88	16384.00	.03
*	245.000	928.40	292.00	1396.30	292.00	40.00	140.00	55.00	165.00	.00	14034.25	16384.00	.05
*	245.000	928.40	292.00	1396.30	292.00	40.00	140.00	55.00	165.00	.00	12211.34	16384.00	.04
	250.000	2566.70	294.00	2740.60	294.00	45.10	140.00	67.48	740.00	.00	16139.23	.00	.02
	250.000	2566.70	294.00	2740.60	294.00	45.32	140.00	72.40	740.00	.00	13873.74	.00	.03
*	260.000	2375.20	300.00	2544.60	300.00	135.71	140.00	55.00	1025.00	3.90	7462.20	16384.00	.22
*	260.000	2375.20	300.00	2544.60	300.00	140.00	140.00	55.00	1025.00	3.90	7705.79	16384.00	.19
	270.000	2509.50	300.00	2678.60	304.00	94.85	140.00	55.00	965.00	4.15	10325.57	.00	.04
	270.000	2509.50	300.00	2678.60	304.00	104.87	140.00	55.00	965.00	4.15	9131.23	.00	.02
*	280.000	958.00	306.00	1060.00	306.00	129.42	140.00	62.81	1040.00	1.92	17029.18	16384.00	.04
*	280.000	958.00	306.00	1060.00	306.00	140.00	140.00	63.97	1040.00	1.92	16409.44	16384.00	.05
	285.000	706.60	306.00	792.20	310.00	60.00	140.00	55.00	670.00	2.99	16166.95	.00	.00
	285.000	706.60	306.00	792.20	310.00	60.00	140.00	55.00	670.00	2.99	16405.47	.00	.00
	290.000	2655.10	308.00	2758.90	310.00	40.00	140.00	55.00	645.00	.00	14860.04	.00	.01
	290.000	2655.10	308.00	2758.90	310.00	40.00	140.00	55.00	645.00	.00	14616.15	.00	.01
*	300.000	2536.20	312.00	2708.70	314.00	40.00	140.00	55.43	660.00	6.06	11559.65	16384.00	.04
*	300.000	2536.20	100000.00	2708.70	314.00	.00	140.00	55.47	660.00	6.06	11648.33	16384.00	.04
	310.000	2698.40	314.00	2822.30	316.00	40.00	140.00	55.00	610.00	3.28	13630.36	.00	.01
	310.000	2698.40	314.00	2822.30	316.00	40.00	140.00	55.00	610.00	3.28	11963.49	.00	.00
*	320.000	988.70	316.00	1300.00	312.00	40.00	140.00	55.00	750.00	2.67	8436.39	16384.00	.12
*	320.000	988.70	100000.00	1300.00	312.00	.00	140.00	55.00	750.00	2.67	8449.59	16384.00	.10
*	330.000	1760.00	314.00	1917.00	314.00	60.00	85.00	60.00	780.00	2.56	9003.17	16384.00	.02
*	330.000	1760.00	314.00	1917.00	314.00	60.00	85.00	60.00	780.00	2.56	9038.96	16384.00	.02
	340.000	1410.00	320.00	1843.20	318.00	60.00	85.00	60.00	505.00	-3.96	9898.63	.00	.01
	340.000	1410.00	320.00	1843.20	318.00	60.00	85.00	60.00	505.00	-3.96	10269.99	.00	.01

	SECNO	STCHL	XLBEL	STCHR	RBEL	K*XNL	K*XNCH	K*XNR	XLCH	K*CHSL	AREA	CASE	OLOSS
	345.000	1509.80	322.00	1995.50	324.00	60.00	85.00	60.00	280.00	7.14	9190.36	.00	.02
	345.000	1509.80	322.00	1995.50	324.00	60.00	85.00	60.00	280.00	7.14	9041.44	.00	.03
	355.000	1731.40	322.00	2253.80	322.00	60.00	85.00	60.00	285.00	7.02	8352.46	.00	.04
	355.000	1731.40	322.00	2253.80	322.00	60.00	85.00	60.00	285.00	7.02	8036.36	.00	.05
	356.000	1836.00	316.00	2258.20	320.00	60.00	85.00	60.00	250.00	8.00	6559.01	.00	.17
	356.000	1836.00	316.00	2258.20	320.00	60.00	85.00	60.00	250.00	8.00	5993.35	.00	.23
*	358.000	1850.00	316.00	2278.40	326.00	60.00	40.00	30.00	65.00	.00	6218.37	16384.00	.00
*	358.000	1850.00	316.00	2278.40	326.00	60.00	40.00	30.00	65.00	.00	5852.91	16384.00	.00
	360.000	2187.00	320.00	2382.90	320.00	60.00	85.00	85.00	345.00	.00	10653.09	.00	.26
	360.000	2187.00	320.00	2382.90	320.00	60.00	85.00	85.00	345.00	.00	10063.01	.00	.27
	370.000	2234.10	320.00	2326.40	320.00	60.00	85.00	85.00	345.00	5.80	13226.70	.00	.01
	370.000	2234.10	320.00	2326.40	320.00	60.00	85.00	85.00	345.00	5.80	11377.75	.00	.01
	380.000	2380.90	320.00	2436.40	320.00	60.00	85.00	85.00	320.00	.00	13199.97	.00	.00
	380.000	2380.90	320.00	2436.40	320.00	60.00	85.00	85.00	320.00	.00	10946.16	.00	.01
	390.000	2250.00	324.00	2402.00	324.00	60.00	85.00	85.00	520.00	.00	10075.58	.00	.05
	390.000	2250.00	324.00	2402.00	324.00	60.00	85.00	85.00	520.00	.00	9176.22	.00	.05
	400.000	1877.60	320.00	2531.60	320.00	40.00	75.00	40.00	540.00	.00	11066.16	.00	.01
*	400.000	1877.60	320.00	2531.60	320.00	40.00	75.00	40.00	540.00	.00	10960.49	16384.00	.02
	410.000	3065.30	320.00	3645.90	320.00	40.00	65.00	40.00	700.00	.00	10061.53	.00	.02
	410.000	3065.30	320.00	3645.90	320.00	40.00	65.00	40.00	700.00	.00	10498.23	.00	.01
	415.000	3252.30	320.00	3865.00	320.00	40.00	65.00	40.00	780.00	.00	11047.47	.00	.01
	415.000	3252.30	320.00	3865.00	320.00	40.00	65.00	40.00	780.00	.00	11433.24	.00	.00
	420.000	3467.10	320.00	3988.90	320.00	40.00	75.00	40.00	480.00	.00	9469.37	.00	.04
	420.000	3467.10	320.00	3988.90	320.00	40.00	75.00	40.00	480.00	.00	9766.35	.00	.04
*	421.000	2650.00	325.00	3049.10	328.00	40.00	50.00	40.00	375.00	16.00	4614.54	16384.00	.38
*	421.000	2650.00	325.00	3049.10	328.00	40.00	50.00	40.00	375.00	16.00	4797.67	16384.00	.35
	422.000	2645.00	326.00	3044.70	326.00	40.00	30.00	40.00	10.00	.00	3564.22	.00	.60
	422.000	2645.00	326.00	3044.70	326.00	40.00	30.00	40.00	10.00	.00	3735.82	.00	.53
	423.000	4645.00	326.00	5044.70	326.00	40.00	30.00	40.00	65.00	.00	3940.70	.00	.16
	423.000	4645.00	326.00	5044.70	326.00	40.00	30.00	40.00	65.00	.00	4024.06	.00	.11
	424.000	4658.90	326.00	5055.00	326.00	50.00	50.00	50.00	10.00	200.00	4416.20	.00	.15
	424.000	4658.90	326.00	5055.00	326.00	50.00	50.00	50.00	10.00	200.00	4489.92	.00	.14
*	425.000	4805.90	328.00	5113.20	328.00	45.00	75.00	45.00	225.00	.00	8910.88	16384.00	.41
*	425.000	4805.90	328.00	5113.20	328.00	45.00	75.00	45.00	225.00	.00	8731.47	16384.00	.39

	SECNO	STCHL	XLBEL	STCHR	RBEL	K*XNL	K*XNCH	K*XNR	XLCH	K*CHSL	AREA	CASE	OLOSS
	430.000	5520.60	328.00	5704.90	328.00	45.00	75.00	45.00	470.00	.00	10687.78	.00	.01
	430.000	5520.60	328.00	5704.90	328.00	45.00	75.00	45.00	470.00	.00	7072.72	.00	.09
*	440.000	5118.70	330.00	5291.80	330.00	45.00	75.00	45.00	545.00	3.67	7760.31	16384.00	.06
	440.000	5118.70	330.00	5291.80	330.00	45.00	75.00	45.00	545.00	3.67	8001.52	.00	.03
*	450.000	4864.80	330.00	5377.90	330.00	55.00	30.00	55.00	530.00	.00	10802.82	16384.00	.01
*	450.000	4864.80	330.00	5377.90	330.00	55.00	30.00	55.00	530.00	.00	11174.35	16384.00	.01
	460.000	4626.20	330.00	5331.20	330.00	55.00	30.00	55.00	440.00	.00	12314.81	.00	.01
	460.000	4626.20	330.00	5331.20	330.00	55.00	30.00	55.00	440.00	.00	11893.68	.00	.01
*	470.000	5002.10	330.00	5145.90	330.00	45.00	70.00	45.00	480.00	.00	7689.89	16384.00	.08
*	470.000	5002.10	330.00	5145.90	100000.00	45.00	70.00	.00	480.00	.00	7213.08	16384.00	.11
*	480.000	3872.70	340.00	4124.90	340.00	45.00	70.00	45.00	280.00	7.14	4526.89	4097.00	.45
*	480.000	3872.70	340.00	4124.90	340.00	45.00	70.00	45.00	280.00	7.14	3837.40	4097.00	.60
*	483.000	3854.90	340.00	4098.10	340.00	45.00	70.00	45.00	100.00	.00	7035.74	16384.00	.13
*	483.000	3854.90	340.00	4098.10	340.00	45.00	70.00	45.00	100.00	.00	6117.00	16384.00	.16
	484.000	3795.20	342.00	4061.40	342.00	45.00	70.00	45.00	115.00	.00	6749.59	.00	.00
	484.000	3795.20	342.00	4061.40	342.00	45.00	70.00	45.00	115.00	.00	6096.42	.00	.01
*	485.000	3795.20	342.00	4061.40	342.00	45.00	70.00	45.00	10.00	1000.00	5301.06	16384.00	.13
*	485.000	3795.20	342.00	4061.40	342.00	45.00	70.00	45.00	10.00	1000.00	4584.90	16384.00	.20
*	486.000	3795.20	342.00	4061.40	342.00	45.00	70.00	45.00	10.00	-1000.00	7261.88	16384.00	.05
*	486.000	3795.20	342.00	4061.40	342.00	45.00	70.00	45.00	10.00	-1000.00	6723.73	16384.00	.08
	490.000	3797.70	336.00	3905.40	336.00	40.00	70.00	92.72	175.00	.00	7350.79	.00	.02
*	490.000	3797.70	336.00	3905.40	336.00	40.00	70.00	75.00	175.00	.00	7949.23	16384.00	.02
*	500.000	3766.70	334.00	4005.40	334.00	30.00	40.00	30.00	510.00	.00	8386.95	16384.00	.02
*	500.000	3766.70	334.00	4005.40	334.00	30.00	40.00	30.00	510.00	.00	9155.18	16384.00	.02
*	507.000	3860.70	342.00	4289.50	342.00	35.01	40.00	40.00	470.00	8.51	5995.87	16384.00	.15
*	507.000	3860.70	342.00	4289.50	342.00	40.00	40.00	40.00	470.00	8.51	5952.85	16384.00	.15
*	508.000	3860.70	342.00	4289.50	342.00	40.00	30.00	40.00	10.00	.00	4762.68	16384.00	.25
*	508.000	3860.70	342.00	4289.50	342.00	40.00	30.00	40.00	10.00	.00	4861.81	16384.00	.22
	509.000	3889.40	336.00	4322.40	342.00	40.00	30.00	40.00	65.00	.00	5158.98	.00	.04
	509.000	3889.40	336.00	4322.40	342.00	40.00	30.00	40.00	65.00	.00	4969.71	.00	.02
*	510.000	3885.30	342.00	4317.20	341.00	40.00	40.00	40.00	10.00	-200.00	6048.08	16384.00	.05
*	510.000	3885.30	342.00	4317.20	341.00	40.00	40.00	40.00	10.00	-200.00	6249.52	16384.00	.05
*	515.000	3935.00	334.00	4447.80	334.00	40.00	40.00	40.00	275.00	.00	13713.69	16384.00	.07
*	515.000	3935.00	334.00	4447.80	100000.00	40.00	40.00	.00	275.00	.00	12157.49	16384.00	.06

	SECNO	STCHL	XLBEL	STCHR	RBEL	K*XNL	K*XNCH	K*XNR	XLCH	K*CHSL	AREA	CASE	OLOSS
	520.000	4347.80	334.00	4855.30	334.00	40.23	30.93	40.00	560.00	.00	10711.41	.00	.04
	520.000	4347.80	334.00	4855.30	334.00	40.29	30.93	40.00	560.00	.00	10328.90	.00	.03
*	530.000	4190.20	334.00	4516.30	334.00	40.00	30.00	40.00	620.00	3.23	7555.44	16384.00	.10
*	530.000	4190.20	334.00	4516.30	334.00	40.00	30.00	40.00	620.00	3.23	7296.34	16384.00	.10
	535.000	2119.80	336.00	2411.10	336.00	40.00	30.50	40.00	280.00	.00	6211.02	.00	.09
	535.000	2119.80	100000.00	2411.10	336.00	.00	30.97	40.00	280.00	.00	6022.89	.00	.09
	540.000	2055.80	336.00	2395.10	336.00	40.00	30.48	40.00	350.00	.00	6640.69	.00	.02
	540.000	2055.80	336.00	2395.10	336.00	40.00	30.48	40.00	350.00	.00	6285.62	.00	.01
	550.000	1894.00	336.00	2153.30	336.00	40.00	30.47	40.00	650.00	.00	7319.96	.00	.00
	550.000	1894.00	336.00	2153.30	336.00	40.00	30.47	40.00	650.00	.00	6994.52	.00	.01
	560.000	1638.20	336.00	1898.10	336.00	50.00	30.98	40.00	600.00	.00	9179.08	.00	.03
	560.000	1638.20	336.00	1898.10	336.00	50.00	30.98	40.00	600.00	.00	9220.59	.00	.03
	562.000	1181.40	336.00	1385.00	336.00	50.00	30.85	40.00	280.00	.00	10166.30	.00	.01
	562.000	1181.40	336.00	1385.00	336.00	50.00	30.85	40.00	280.00	.00	10358.23	.00	.01
	564.000	1053.10	336.00	1332.20	336.00	50.00	34.17	40.00	220.00	.00	10667.37	.00	.00
	564.000	1053.10	336.00	1332.20	336.00	50.00	34.17	40.00	220.00	.00	10850.22	.00	.00
	566.000	971.90	338.00	1257.50	338.00	85.00	30.00	60.00	280.00	.00	7402.64	.00	.17
	566.000	971.90	338.00	1257.50	338.00	85.00	30.00	60.00	280.00	.00	7481.00	.00	.16
	570.000	1642.70	336.00	1843.30	336.00	85.00	30.00	60.00	280.00	.00	5546.34	.00	.24
	570.000	1642.70	336.00	1843.30	336.00	85.00	30.00	60.00	280.00	.00	5692.36	.00	.22
	572.000	832.00	336.00	1056.10	336.00	85.00	30.00	60.00	187.00	.00	5691.44	.00	.03
	572.000	832.00	336.00	1056.10	336.00	85.00	30.00	60.00	187.00	.00	5777.27	.00	.02
	574.000	747.50	336.00	1043.60	336.00	85.00	30.00	60.00	200.00	.00	6542.80	.00	.05
	574.000	747.50	336.00	1043.60	336.00	85.00	30.00	60.00	200.00	.00	6558.23	.00	.05
	576.000	733.40	338.00	959.30	338.00	85.00	30.00	60.00	170.00	.00	6089.73	.00	.09
	576.000	733.40	338.00	959.30	338.00	85.00	30.00	60.00	170.00	.00	5883.63	.00	.11
	582.000	698.20	338.00	914.10	338.00	85.00	30.00	60.00	330.00	6.06	7178.42	.00	.01
	582.000	698.20	338.00	914.10	338.00	85.00	30.00	60.00	330.00	6.06	6245.12	.00	.02
	584.000	632.70	338.00	857.90	338.00	85.00	30.00	60.00	200.00	.00	7479.47	.00	.01
	584.000	632.70	338.00	857.90	338.00	85.00	30.00	60.00	200.00	.00	7612.64	.00	.04
	586.000	582.70	338.00	772.70	338.00	85.00	30.00	60.00	205.00	.00	7900.50	.00	.01
	586.000	582.70	338.00	772.70	338.00	85.00	30.00	60.00	205.00	.00	7252.92	.00	.04
*	592.000	443.90	338.00	597.60	338.00	85.00	30.00	60.00	380.00	.00	5377.41	16384.00	.29
*	592.000	443.90	338.00	597.60	338.00	85.00	30.00	60.00	380.00	.00	4916.13	16384.00	.34

	SECNO	STCHL	XLBEL	STCHR	RBEL	K*XNL	K*XNCH	K*XNR	XLCH	K*CHSL	AREA	CASE	OLOSS
*	594.000	630.70	342.00	779.90	342.00	75.00	125.00	65.00	230.00	17.39	2545.29	4097.00	.94
*	594.000	630.70	342.00	779.90	342.00	75.00	125.00	65.00	230.00	17.39	2436.13	4097.00	1.00
*	600.000	778.90	346.00	979.10	346.00	75.00	125.00	65.00	150.00	13.33	5096.52	16384.00	.37
*	600.000	778.90	346.00	979.10	346.00	75.00	125.00	65.00	150.00	13.33	5140.08	16384.00	.42
*	610.000	319.90	346.00	622.80	346.00	75.00	125.00	65.00	315.00	.00	7065.98	16384.00	.06
*	610.000	319.90	346.00	622.80	346.00	75.00	125.00	65.00	315.00	.00	6987.24	16384.00	.06
	620.000	299.20	364.00	732.00	364.00	75.00	125.00	65.00	395.00	5.06	7705.87	.00	.01
	620.000	299.20	100000.00	732.00	100000.00	.00	125.00	.00	395.00	5.06	7533.58	.00	.01
	630.000	445.60	348.00	718.00	348.00	75.00	125.00	65.00	265.00	.00	7554.07	.00	.01
	630.000	445.60	348.00	718.00	348.00	75.00	125.00	65.00	265.00	.00	7197.39	.00	.02
*	640.000	433.90	350.00	577.60	350.00	75.00	125.00	65.00	350.00	5.71	4301.47	16384.00	.34
*	640.000	433.90	350.00	577.60	350.00	75.00	125.00	65.00	350.00	5.71	3798.23	16384.00	.47

ROFILE 1 - 100 YEAR FLO

SUMMARY PRINTOUT

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
*	100.000	290.21	313.45	603.66	4.87	.00	.00	.02	.00
	100.000	260.00	340.00	600.00	4.18	.00	.00	1.00	.00
*	110.000	337.95	282.28	620.24	2.40	4.55	7.27	.00	1.80
*	110.000	300.00	310.00	610.00	2.59	4.33	6.08	-.19	1.52
*	120.000	368.62	286.51	655.13	1.55	2.15	3.08	.00	1.50
*	120.000	340.00	310.00	650.00	1.60	2.22	3.31	.05	1.56
*	130.000	552.47	137.82	690.29	.76	6.66	7.54	.00	1.91
*	130.000	353.00	330.00	683.00	.94	7.40	8.12	.63	1.77
	140.000	409.05	157.25	566.30	.70	3.99	4.05	.00	1.03
	140.000	330.00	215.00	545.00	.74	4.25	4.45	1.03	1.13
*	150.000	1013.14	186.86	1200.00	.25	1.00	1.46	.00	2.98
*	150.000	955.00	245.00	1200.00	.24	.87	1.38	.95	3.22
*	160.000	1591.84	354.58	1987.88	.10	.38	.54	.00	1.52
*	160.000	1428.03	415.00	1860.00	.09	.33	.48	.89	1.48
*	170.000	2144.81	329.19	2474.00	.05	.07	.12	.00	1.53
*	170.000	1580.00	410.00	1990.00	.06	.06	.10	.88	1.45
*	180.000	2069.37	453.80	2523.17	.06	.05	.05	.00	1.41
	180.000	1455.00	485.00	1940.00	.07	.05	.04	.87	1.39
	190.000	1540.45	433.75	1985.74	.07	.03	.02	.00	1.34
*	190.000	1450.00	470.00	1920.00	.06	.02	.03	.88	1.44
*	200.000	1805.67	298.78	2104.45	.07	.06	.06	.00	.36
*	200.000	1605.00	370.00	1975.00	.07	.05	.05	.87	.37
	209.000	2058.47	335.50	2393.96	.08	.13	.12	.00	.96
	209.000	1700.00	400.00	2100.00	.08	.11	.10	.85	.95
*	210.000	2053.50	337.53	2391.03	.20	.00	-.08	.00	.68
*	210.000	1700.00	400.00	2100.00	.21	.00	-.08	.85	.68
*	211.000	2062.09	334.01	2396.10	.08	.00	.14	.00	1.49
*	211.000	1700.00	400.00	2100.00	.08	.00	.14	.85	1.47
	220.000	1768.46	413.80	2182.26	.14	.25	.21	.00	1.01
	220.000	1585.00	515.00	2100.00	.14	.22	.18	.82	1.05
	230.000	1225.00	825.00	2050.00	.24	.19	.12	.00	.82
	230.000	1175.00	825.00	2000.00	.23	.16	.10	.80	.80

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
*	239.000	670.00	2370.00	3040.00	1.09	.44	-.16	.00	.38
*	239.000	670.00	2370.00	3040.00	.97	.37	-.15	.80	.39
*	240.000	514.77	2511.46	3026.24	.54	1.47	2.07	.00	.47
*	240.000	494.00	2517.00	3011.00	.51	1.22	1.72	.45	.45
*	242.000	514.46	2511.56	3026.02	.64	.03	-.02	.00	3.71
*	242.000	492.00	2518.00	3010.00	.61	.02	-.02	.46	3.64
	243.000	515.24	2511.32	3026.56	.63	.07	.08	.00	1.01
	243.000	492.00	2518.00	3010.00	.60	.07	.07	.45	1.01
*	244.000	521.75	2552.74	3074.49	.54	.02	.15	.00	.38
*	244.000	510.00	2560.00	3070.00	.51	.02	.14	.44	.38
*	245.000	921.66	593.34	1515.00	.36	.36	.59	.00	2.84
*	245.000	650.00	760.00	1410.00	.59	.44	.40	.25	2.31
	250.000	1275.38	2268.53	3543.91	.17	.59	.80	.00	1.18
	250.000	910.00	2400.00	3310.00	.24	.80	1.18	.63	1.18
*	260.000	752.46	2282.62	3035.08	.90	1.41	.89	.00	.39
*	260.000	610.00	2340.00	2950.00	.86	1.65	1.21	.96	.51
	270.000	1283.88	1867.70	3151.57	.55	2.77	3.17	.00	1.39
	270.000	720.00	2270.00	2990.00	.70	2.62	2.79	.58	1.22
*	280.000	1549.27	482.86	2032.13	.17	1.30	1.72	.00	1.60
*	280.000	1330.00	560.00	1890.00	.18	1.36	1.92	.79	1.62
	285.000	1805.85	341.11	2146.96	.15	.50	.51	.00	1.13
	285.000	1490.00	525.00	2015.00	.15	.46	.50	.78	1.26
	290.000	1848.62	2223.99	4166.36	.18	.48	.46	.00	.86
	290.000	1567.11	2560.00	4154.00	.19	.43	.40	.71	.81
*	300.000	1645.29	2340.00	4023.24	.31	.83	.74	.00	.68
*	300.000	1440.55	2540.00	4014.00	.31	.77	.69	.66	.70
	310.000	1766.44	2460.00	4226.44	.22	.85	.95	.00	1.32
	310.000	1350.00	2650.00	4000.00	.28	.90	.93	.64	1.13
*	320.000	1329.07	950.00	2279.07	.62	1.80	1.52	.00	.41
*	320.000	1120.00	1030.00	2150.00	.63	1.96	1.72	.84	.50
*	330.000	956.22	1326.43	2282.65	.45	2.96	3.15	.00	1.55
*	330.000	880.00	1370.00	2250.00	.45	2.60	2.80	.49	1.46
	340.000	976.32	1203.68	2180.00	.38	1.27	1.35	.00	1.04
	340.000	960.00	1220.00	2180.00	.35	1.15	1.25	.39	1.06

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
	345.000	1060.00	1210.00	2270.00	.43	.79	.75	.00	.85
	345.000	970.00	1300.00	2270.00	.45	.72	.66	.30	.81
	355.000	1000.00	1370.00	2370.00	.51	1.12	1.08	.00	.84
	355.000	870.00	1500.00	2370.00	.56	1.11	1.06	.28	.82
	356.000	950.00	1340.00	2290.00	.86	1.57	1.39	.00	.74
	356.000	770.00	1520.00	2290.00	1.02	1.64	1.41	.30	.71
*	358.000	960.00	1340.00	2300.00	1.23	.00	-.37	.00	1.69
*	358.000	790.00	1510.00	2300.00	1.28	.00	-.26	.41	1.82
	360.000	1070.00	1530.00	2600.00	.35	.75	1.89	.00	1.35
	360.000	870.00	1565.00	2435.00	.38	.72	1.89	.41	1.33
	370.000	1344.56	1470.00	2814.56	.23	.49	.62	.00	1.17
	370.000	1030.00	1470.00	2500.00	.30	.51	.60	.40	1.09
	380.000	1420.00	1540.00	2960.00	.23	.40	.41	.00	.96
	380.000	1085.00	1540.00	2625.00	.32	.47	.45	.44	.93
	390.000	1060.00	1680.00	2740.00	.40	.89	.77	.00	.75
	390.000	890.00	1730.00	2620.00	.47	1.02	.91	.58	.79
	400.000	856.00	1749.00	2605.00	.30	1.00	1.12	.00	1.36
*	400.000	765.00	1820.00	2585.00	.31	1.01	1.20	.66	1.43
	410.000	750.00	2970.00	3720.00	.35	.83	.79	.00	1.06
	410.000	739.50	2970.50	3710.00	.33	.76	.74	.62	1.12
	415.000	745.00	3200.00	3945.00	.30	.76	.83	.00	1.14
	415.000	745.00	3200.00	3945.00	.28	.67	.73	.52	1.13
	420.000	660.31	3404.69	4065.00	.42	.53	.44	.00	.76
	420.000	653.50	3411.50	4065.00	.40	.48	.39	.47	.76
*	421.000	448.16	2612.20	3060.37	1.69	.95	.06	.00	.54
*	421.000	440.00	2617.00	3057.00	1.56	.84	.03	.44	.55
	422.000	445.74	2613.66	3059.41	2.88	.06	-.54	.00	.90
	422.000	440.00	2617.00	3057.00	2.61	.05	-.48	.50	.90
	423.000	450.44	4610.83	5061.26	2.35	.36	1.04	.00	1.15
	423.000	442.00	4616.00	5058.00	2.25	.33	.80	.25	1.11
	424.000	462.23	4627.73	5089.96	1.86	.06	.70	.00	.88
	424.000	449.00	4633.00	5082.00	1.79	.05	.65	.20	.88
*	425.000	905.00	4365.00	5270.00	.48	.74	2.54	.00	1.85
*	425.000	850.00	4420.00	5270.00	.50	.73	2.42	.08	1.77

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
	430.000	1660.00	4540.00	6200.00	.36	.77	.89	.00	1.14
	430.000	1000.00	4860.00	5860.00	.79	1.21	1.01	.20	.72
*	440.000	1730.00	4030.00	5760.00	.56	1.10	.96	.00	.63
	440.000	1055.00	4365.00	5420.00	.52	1.54	1.83	1.07	1.20
*	450.000	1486.62	4193.38	5680.00	.43	.50	.65	.00	2.77
*	450.000	1035.00	4375.00	5410.00	.37	.38	.54	.96	2.63
	460.000	1587.16	4032.84	5620.00	.29	.15	.29	.00	1.28
	460.000	980.00	4380.00	5360.00	.27	.12	.22	.89	1.23
*	470.000	1361.61	3710.36	5167.89	.56	.36	.18	.00	.31
*	470.000	1005.00	4125.00	5130.00	.64	.32	.06	.77	.30
*	480.000	1096.92	2870.00	4186.74	2.06	1.40	2.20	.00	.48
*	480.000	767.61	3105.00	4125.60	2.64	1.42	1.21	-.22	.42
*	483.000	1340.00	2900.00	4240.00	.78	.66	2.06	.00	1.63
*	483.000	1020.00	3120.00	4140.00	1.02	.79	2.58	.29	1.66
	484.000	1270.00	2920.00	4190.00	.74	.57	.61	.00	.87
	484.000	1015.00	3080.00	4095.00	.91	.64	.77	.45	.90
*	485.000	1260.00	2920.00	4180.00	1.18	.08	-.23	.00	.67
*	485.000	1015.00	3080.00	4095.00	1.58	.10	-.37	.31	.62
*	486.000	1260.00	2920.00	4180.00	.63	.07	.67	.00	1.68
*	486.000	1015.00	3080.00	4095.00	.74	.08	1.00	.64	1.88
	490.000	1060.00	3060.00	4120.00	.71	.63	.58	.00	1.21
*	490.000	1020.00	3030.00	4050.00	.56	.52	.72	.77	1.48
*	500.000	760.00	3430.00	4190.00	.47	.55	.81	.00	2.30
*	500.000	875.00	3280.00	4155.00	.40	.44	.61	.58	2.06
*	507.000	1280.19	1724.40	4340.90	.97	.41	.06	.00	.58
*	507.000	484.00	3851.00	4335.00	.91	.36	.00	.52	.58
*	508.000	1009.63	2993.81	4340.11	1.47	.02	-.23	.00	.69
*	508.000	482.00	3852.00	4334.00	1.35	.02	-.20	.55	.69
	509.000	1176.70	2866.31	4341.46	1.33	.21	.39	.00	1.06
	509.000	484.00	3851.00	4335.00	1.30	.19	.26	.41	1.03
*	510.000	493.40	3864.30	4357.70	.88	.02	.51	.00	1.51
*	510.000	485.00	3867.00	4352.00	.82	.02	.54	.44	1.54
*	515.000	830.00	3640.00	4470.00	.17	.11	.89	.00	2.70
*	515.000	690.00	3750.00	4440.00	.21	.12	.79	.34	2.28

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
	520.000	711.61	4240.00	4951.61	.30	.11	.02	.00	.95
	520.000	625.00	4240.00	4865.00	.31	.12	.05	.38	1.07
*	530.000	576.39	4089.90	4666.30	.63	.18	-.05	.00	.65
*	530.000	480.00	4170.00	4650.00	.65	.18	-.06	.37	.66
	535.000	530.00	2070.00	2600.00	.93	.16	-.05	.00	.81
	535.000	410.00	2120.00	2530.00	.94	.16	-.04	.38	.79
	540.000	508.34	1969.79	2478.13	.78	.22	.39	.00	1.14
	540.000	412.00	2055.00	2467.00	.84	.22	.33	.32	1.15
	550.000	621.73	1735.96	2357.69	.73	.37	.42	.00	.98
	550.000	520.00	1830.00	2350.00	.77	.37	.45	.35	.99
	560.000	675.47	1547.90	2223.37	.45	.28	.59	.00	1.24
	560.000	625.00	1575.00	2200.00	.44	.26	.63	.39	1.27
	562.000	744.46	1065.06	1809.52	.36	.10	.19	.00	1.06
	562.000	710.00	1080.00	1790.00	.35	.09	.19	.39	1.07
	564.000	771.13	900.98	1672.11	.32	.07	.12	.00	1.03
	564.000	730.00	920.00	1650.00	.30	.07	.11	.39	1.02
	566.000	586.95	840.86	1427.82	.87	.12	-.27	.00	.72
	566.000	535.00	870.00	1405.00	.83	.11	-.26	.40	.72
	570.000	454.01	1518.76	1972.76	1.67	.23	-.33	.00	.71
	570.000	435.00	1525.00	1960.00	1.58	.21	-.31	.42	.72
	572.000	429.57	748.70	1178.27	1.40	.19	.49	.00	1.13
	572.000	393.00	757.00	1150.00	1.34	.18	.44	.36	1.12
	574.000	429.41	699.73	1129.14	.90	.14	.69	.00	1.32
	574.000	385.00	705.00	1090.00	.87	.13	.65	.32	1.31
	576.000	422.28	677.32	1099.60	1.20	.11	-.10	.00	.82
	576.000	372.00	688.00	1060.00	1.24	.10	-.15	.27	.80
	582.000	579.40	577.65	1157.06	1.06	.27	.41	.00	.95
	582.000	465.00	615.00	1080.00	1.29	.28	.25	.10	.89
	584.000	574.54	529.15	1103.68	.94	.16	.30	.00	1.08
	584.000	547.00	538.00	1085.00	.90	.16	.59	.40	1.19
	586.000	576.58	459.29	1035.87	.88	.15	.22	.00	.99
	586.000	495.00	465.00	960.00	1.02	.15	.07	.25	.92
*	592.000	422.69	365.79	788.48	1.84	.40	-.27	.00	.69
*	592.000	349.00	371.00	720.00	2.13	.44	-.34	.17	.69

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
*	594.000	260.06	588.50	848.56	4.96	1.09	.48	.00	.15
*	594.000	235.00	595.00	830.00	5.46	1.19	-.03	-.34	.15
*	600.000	351.25	651.54	1002.79	1.24	3.18	7.28	.00	2.52
*	600.000	335.00	660.00	995.00	1.22	3.19	7.85	.23	2.73
*	610.000	397.29	253.79	651.09	.63	2.19	2.86	.00	1.44
*	610.000	365.00	280.00	645.00	.65	2.16	2.80	.18	1.40
	620.000	492.57	257.43	750.00	.53	2.06	2.17	.00	.96
	620.000	400.00	330.00	730.00	.55	2.05	2.15	.16	.98
	630.000	489.11	300.15	789.26	.56	1.22	1.20	.00	1.17
	630.000	370.00	380.00	750.00	.63	1.24	1.19	.15	1.13
*	640.000	362.89	161.72	735.31	1.70	2.31	1.51	.00	.55
*	640.000	199.00	401.00	600.00	2.18	2.57	1.48	.12	.51

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SUMMARY PRINTOUT TABLE 110

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
*	100.000	282.55	.02	287.42	290.21	439.54	49530.04	30.42	.00	.00	340.80	600.70	.00
	100.000	283.55	1.00	287.73	260.00	15.44	49984.56	.00	260.00	340.00	340.80	600.70	600.00
*	110.000	289.82	.00	292.22	337.95	4747.03	44044.85	1208.12	.00	.00	339.70	600.30	.00
*	110.000	289.63	-.19	292.23	300.00	4273.80	44813.60	912.60	300.00	310.00	339.70	600.30	610.00
*	120.000	292.90	.00	294.45	368.62	5983.88	39075.13	4941.00	.00	.00	354.50	602.50	.00
*	120.000	292.95	.05	294.55	340.00	5724.87	39307.86	4967.27	340.00	310.00	354.50	602.50	650.00
*	130.000	300.44	.00	301.19	552.47	9040.13	28780.63	12179.24	.00	.00	353.00	583.50	.00
*	130.000	301.07	.63	302.01	353.00	3243.99	32665.40	14090.61	353.00	330.00	353.00	583.50	683.00
	140.000	304.49	.00	305.19	409.05	6255.16	35398.74	8346.10	.00	.00	242.60	482.40	.00
	140.000	305.52	1.03	306.26	330.00	3868.47	37349.01	8782.52	330.00	215.00	242.60	482.40	545.00
*	150.000	305.95	.00	306.20	1013.14	1439.87	25150.03	23410.09	1091.50	108.50	273.60	738.10	1200.00
*	150.000	306.90	.95	307.15	955.00	688.81	24398.49	24912.70	955.00	245.00	273.60	738.10	1200.00
*	160.000	306.49	.00	306.59	1591.84	42430.20	4574.35	2995.44	.00	.00	1331.10	1412.30	.00
*	160.000	307.38	.89	307.48	1428.03	41862.43	4575.37	3562.20	1445.00	415.00	1331.10	1412.30	1860.00
*	170.000	306.61	.00	306.66	2144.81	33634.66	2046.90	14318.44	.00	.00	1483.20	1544.10	.00
*	170.000	307.48	.88	307.54	1580.00	35733.69	2165.61	12100.71	1580.00	410.00	1483.20	1544.10	1990.00
*	180.000	306.65	.00	306.72	2069.37	38997.22	4716.69	6286.09	.00	.00	1530.00	1759.00	.00
	180.000	307.53	.87	307.60	1455.00	42028.15	5077.55	2894.29	1455.00	485.00	1530.00	1759.00	1940.00
	190.000	306.68	.00	306.75	1540.45	45963.77	3762.62	273.61	.00	.00	1576.30	1809.70	.00
*	190.000	307.56	.88	307.63	1450.00	45892.87	3773.71	333.42	1450.00	470.00	1576.30	1809.70	1920.00
*	200.000	306.74	.00	306.81	1805.67	32505.22	2922.58	14572.19	.00	.00	1439.70	1562.70	.00
*	200.000	307.61	.87	307.68	1605.00	32050.01	2925.98	15024.01	1605.00	370.00	1439.70	1562.70	1975.00
	209.000	306.86	.00	306.94	2058.47	22775.46	6120.35	21104.18	.00	.00	1233.40	1479.20	.00
	209.000	307.71	.85	307.80	1700.00	23058.53	6242.88	20698.60	1700.00	400.00	1233.40	1479.20	2100.00
*	210.000	306.78	.00	306.98	2053.50	10284.65	8978.33	30737.02	.00	.00	1233.40	1479.20	.00
*	210.000	307.63	.85	307.84	1700.00	11055.12	9059.90	29884.99	1700.00	400.00	1233.40	1479.20	2100.00
*	211.000	306.92	.00	307.00	2062.09	22727.08	6106.50	21166.43	.00	.00	1233.40	1479.20	.00
*	211.000	307.77	.85	307.85	1700.00	23023.59	6233.83	20742.58	1700.00	400.00	1233.40	1479.20	2100.00
	220.000	307.13	.00	307.27	1768.46	8657.76	5215.09	36127.14	.00	.00	745.80	1065.00	.00
	220.000	307.95	.82	308.09	1585.00	8150.04	5111.31	36738.65	1585.00	515.00	745.80	1065.00	2100.00
	230.000	307.25	.00	307.49	1225.00	3842.25	4011.86	42145.89	1225.00	825.00	941.10	1142.70	2050.00
	230.000	308.05	.80	308.28	1175.00	4070.61	4003.81	41925.57	1175.00	825.00	941.10	1142.70	2000.00

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
*	239.000	307.10	.00	308.18	670.00	2952.22	15410.44	31637.33	670.00	2370.00	2398.50	2724.40	3040.00
*	239.000	307.90	.80	308.87	670.00	2940.00	14920.17	32139.83	670.00	2370.00	2398.50	2724.40	3040.00
*	240.000	309.17	.00	309.70	514.77	71.67	49928.34	.00	.00	.00	2519.30	3031.90	.00
*	240.000	309.62	.45	310.13	494.00	38.01	49961.99	.00	494.00	2517.00	2519.30	3031.90	3011.00
*	242.000	309.14	.00	309.78	514.46	25.04	49974.96	.00	.00	.00	2519.30	3031.90	.00
*	242.000	309.60	.46	310.21	492.00	6.59	49993.41	.00	492.00	2518.00	2519.30	3031.90	3010.00
	243.000	309.22	.00	309.85	515.24	.00	49963.21	36.79	.00	.00	2480.00	3001.90	.00
	243.000	309.67	.45	310.27	492.00	.00	49961.50	38.51	492.00	2518.00	2480.00	3001.90	3010.00
*	244.000	309.37	.00	309.91	521.75	.00	50000.00	.00	.00	.00	2550.50	3075.60	.00
*	244.000	309.81	.44	310.32	510.00	.00	50000.00	.00	510.00	2560.00	2550.50	3075.60	3070.00
*	245.000	309.96	.00	310.32	921.66	20709.59	21638.68	7651.73	1415.00	100.00	928.40	1396.30	1515.00
*	245.000	310.21	.25	310.80	650.00	22773.35	25895.30	1331.34	650.00	760.00	928.40	1396.30	1410.00
	250.000	310.76	.00	310.93	1275.38	8418.52	6928.99	34652.49	.00	.00	2566.70	2740.60	.00
	250.000	311.39	.63	311.63	910.00	10121.22	8573.89	31304.88	910.00	2400.00	2566.70	2740.60	3310.00
*	260.000	311.65	.00	312.56	752.46	909.28	10883.84	38206.88	.00	.00	2375.20	2544.60	.00
*	260.000	312.61	.96	313.46	610.00	823.34	10858.36	38318.30	610.00	2340.00	2375.20	2544.60	2950.00
	270.000	314.82	.00	315.36	1283.88	6620.07	7842.30	34537.63	.00	.00	2509.50	2678.60	.00
	270.000	315.40	.58	316.10	720.00	5348.92	8594.57	35056.51	720.00	2270.00	2509.50	2678.60	2990.00
*	280.000	316.53	.00	316.70	1549.27	6209.83	2786.43	40003.74	.00	.00	958.00	1060.00	.00
*	280.000	317.32	.79	317.51	1330.00	6006.91	3089.11	39903.98	1330.00	560.00	958.00	1060.00	1890.00
	285.000	317.04	.00	317.20	1805.85	4435.14	1793.47	42771.39	.00	.00	706.60	792.20	.00
	285.000	317.82	.78	317.97	1490.00	3934.17	1799.70	43266.13	1490.00	525.00	706.60	792.20	2015.00
	290.000	317.51	.00	317.69	1848.62	8387.77	2340.77	38271.45	.00	.00	2655.10	2758.90	.00
	290.000	318.22	.71	318.41	1567.11	3992.56	2491.26	42516.18	1594.00	2560.00	2655.10	2758.90	4154.00
*	300.000	318.24	.00	318.55	1645.29	3664.32	3237.14	42098.54	1800.00	2340.00	2536.20	2708.70	4140.00
*	300.000	318.90	.66	319.21	1440.55	.00	3310.40	45689.60	1474.00	2540.00	2536.20	2708.70	4014.00
	310.000	319.19	.00	319.41	1766.44	2135.26	1304.05	45560.69	1770.00	2460.00	2698.40	2822.30	4230.00
	310.000	319.83	.64	320.12	1350.00	1030.52	1651.52	46317.95	1350.00	2650.00	2698.40	2822.30	4000.00
*	320.000	320.71	.00	321.33	1329.07	804.11	11393.19	36802.70	1350.00	950.00	988.70	1300.00	2300.00
*	320.000	321.55	.84	322.18	1120.00	.00	10705.56	38294.45	1120.00	1030.00	988.70	1300.00	2150.00
*	330.000	323.86	.00	324.31	956.22	23228.34	8456.57	16315.09	1020.00	1280.00	1760.00	1917.00	2300.00
*	330.000	324.35	.49	324.79	880.00	22842.52	8709.59	16447.88	880.00	1370.00	1760.00	1917.00	2250.00
	340.000	325.21	.00	325.58	976.32	8121.16	21990.63	17888.21	980.00	1200.00	1410.00	1843.20	2180.00
	340.000	325.60	.39	325.95	960.00	8213.52	21849.17	17937.31	960.00	1220.00	1410.00	1843.20	2180.00

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
	345.000	325.96	.00	326.39	1060.00	12602.07	25559.24	9838.69	1060.00	1210.00	1509.80	1995.50	2270.00
	345.000	326.26	.30	326.71	970.00	11242.15	26404.65	10353.21	970.00	1300.00	1509.80	1995.50	2270.00
	355.000	327.04	.00	327.55	1000.00	11841.53	30685.59	5472.88	1000.00	1370.00	1731.40	2253.80	2370.00
	355.000	327.32	.28	327.87	870.00	9926.16	32246.61	5827.23	870.00	1500.00	1731.40	2253.80	2370.00
	356.000	328.43	.00	329.29	950.00	11547.32	35450.64	1002.04	950.00	1340.00	1836.00	2258.20	2290.00
	356.000	328.73	.30	329.75	770.00	7883.78	38970.32	1145.89	770.00	1520.00	1836.00	2258.20	2290.00
*	358.000	328.06	.00	329.29	960.00	6927.53	41055.46	17.01	960.00	1340.00	1850.00	2278.40	2300.00
*	358.000	328.47	.41	329.75	790.00	5159.54	42800.66	39.80	790.00	1510.00	1850.00	2278.40	2300.00
	360.000	329.95	.00	330.30	1070.00	37141.04	8472.66	2386.30	1070.00	1530.00	2187.00	2382.90	2600.00
	360.000	330.36	.41	330.74	870.00	38366.72	8872.63	760.65	870.00	1565.00	2187.00	2382.90	2435.00
	370.000	330.57	.00	330.80	1344.56	35159.80	3676.55	9163.64	1350.00	1470.00	2234.10	2326.40	2820.00
	370.000	330.97	.40	331.26	1030.00	39624.59	4117.46	4257.95	1030.00	1470.00	2234.10	2326.40	2500.00
	380.000	330.97	.00	331.20	1420.00	33764.25	2402.13	11833.62	1420.00	1540.00	2380.90	2436.40	2960.00
	380.000	331.42	.44	331.73	1085.00	39771.87	2788.83	5439.31	1085.00	1540.00	2380.90	2436.40	2625.00
	390.000	331.74	.00	332.14	1060.00	32610.24	6858.39	8531.37	1060.00	1680.00	2250.00	2402.00	2740.00
	390.000	332.32	.58	332.80	890.00	33909.73	7733.60	6356.67	890.00	1730.00	2250.00	2402.00	2620.00
	400.000	332.86	.00	333.16	856.00	5050.22	40248.66	2701.12	856.00	1749.00	1877.60	2531.60	2605.00
*	400.000	333.52	.66	333.83	765.00	2552.38	42647.24	2800.37	765.00	1820.00	1877.60	2531.60	2585.00
	410.000	333.65	.00	334.00	750.00	2800.71	42631.76	2567.53	750.00	2970.00	3065.30	3645.90	3720.00
	410.000	334.27	.62	334.59	739.50	2971.53	42389.65	2638.82	739.50	2970.50	3065.30	3645.90	3710.00
	415.000	334.47	.00	334.77	745.00	2282.54	42196.28	3521.18	745.00	3200.00	3252.30	3865.00	3945.00
	415.000	334.99	.52	335.27	745.00	2348.61	42027.71	3623.68	745.00	3200.00	3252.30	3865.00	3945.00
	420.000	334.92	.00	335.34	660.31	3535.89	39702.05	4762.06	686.10	3378.90	3467.10	3988.90	4065.00
	420.000	335.38	.47	335.78	653.50	3592.24	39547.61	4860.15	653.50	3411.50	3467.10	3988.90	4065.00
*	421.000	334.98	.00	336.66	448.16	2496.23	45230.37	273.41	.00	.00	2650.00	3049.10	.00
*	421.000	335.42	.44	336.97	440.00	2538.04	45183.52	278.45	440.00	2617.00	2650.00	3049.10	3057.00
	422.000	334.44	.00	337.32	445.74	1540.73	46032.39	426.87	.00	.00	2645.00	3044.70	.00
	422.000	334.94	.50	337.55	440.00	1594.96	45956.65	448.39	440.00	2617.00	2645.00	3044.70	3057.00
	423.000	335.48	.00	337.84	450.44	1678.35	45820.74	500.91	.00	.00	4645.00	5044.70	.00
	423.000	335.74	.25	337.99	442.00	1693.80	45803.94	502.26	442.00	4616.00	4645.00	5044.70	5058.00
	424.000	336.18	.00	338.04	462.23	1280.97	44711.55	2007.48	.00	.00	4658.90	5055.00	.00
	424.000	336.38	.20	338.18	449.00	1262.15	44749.20	1988.65	449.00	4633.00	4658.90	5055.00	5082.00
*	425.000	338.72	.00	339.19	905.00	20634.99	17355.63	10009.38	905.00	4365.00	4805.90	5113.20	5270.00
*	425.000	338.80	.08	339.30	850.00	20039.55	17718.98	10241.47	850.00	4420.00	4805.90	5113.20	5270.00

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
	430.000	339.61	.00	339.97	1660.00	11260.05	10256.48	26483.47	1660.00	4540.00	5520.60	5704.90	6200.00
	430.000	339.81	.20	340.60	1000.00	17571.39	16763.61	13665.00	1000.00	4860.00	5520.60	5704.90	5860.00
*	440.000	340.57	.00	341.14	1730.00	27332.40	12913.81	5753.79	1730.00	4030.00	5118.70	5291.80	5760.00
	440.000	341.64	1.07	342.16	1055.00	29010.05	12410.47	4579.49	1055.00	4365.00	5118.70	5291.80	5420.00
*	450.000	341.22	.00	341.65	1486.62	7099.60	38472.51	427.89	1650.00	4030.00	4864.80	5377.90	5680.00
*	450.000	342.18	.96	342.55	1035.00	7483.19	38260.44	256.36	1035.00	4375.00	4864.80	5377.90	5410.00
	460.000	341.51	.00	341.81	1587.16	3030.39	42547.37	422.24	1595.00	4025.00	4626.20	5331.20	5620.00
	460.000	342.41	.89	342.68	980.00	2251.88	43469.58	278.54	980.00	4380.00	4626.20	5331.20	5360.00
*	470.000	341.70	.00	342.25	1361.61	34103.78	11300.97	595.25	1610.00	3700.00	5002.10	5145.90	5310.00
*	470.000	342.47	.77	343.11	1005.00	36001.08	9998.92	.00	1005.00	4125.00	5002.10	5145.90	5130.00
*	480.000	343.90	.00	345.96	1096.92	6049.24	39620.65	330.11	1380.00	2870.00	3872.70	4124.90	4250.00
*	480.000	343.68	-.22	346.32	767.61	3212.94	42780.13	6.93	1020.60	3105.00	3872.70	4124.90	4125.60
*	483.000	345.96	.00	346.74	1340.00	14527.80	28588.81	2883.39	1340.00	2900.00	3854.90	4098.10	4240.00
*	483.000	346.25	.29	347.27	1020.00	12548.46	32331.18	1120.36	1020.00	3120.00	3854.90	4098.10	4140.00
	484.000	346.57	.00	347.31	1270.00	21120.35	21442.27	3437.39	1270.00	2920.00	3795.20	4061.40	4190.00
	484.000	347.02	.45	347.93	1015.00	20587.64	24264.12	1148.25	1015.00	3080.00	3795.20	4061.40	4095.00
*	485.000	346.34	.00	347.52	1260.00	28646.99	12983.34	4369.67	1260.00	2920.00	3795.20	4061.40	4180.00
*	485.000	346.65	.31	348.22	1015.00	28396.00	15976.44	1627.57	1015.00	3080.00	3795.20	4061.40	4095.00
*	486.000	347.01	.00	347.65	1260.00	22301.78	20362.62	3335.60	1260.00	2920.00	3795.20	4061.40	4180.00
*	486.000	347.65	.64	348.39	1015.00	22061.97	22753.75	1184.27	1015.00	3080.00	3795.20	4061.40	4095.00
	490.000	347.60	.00	348.30	1060.00	29672.88	12938.82	3388.30	1060.00	3060.00	3797.70	3905.40	4120.00
*	490.000	348.37	.77	348.93	1020.00	31295.43	11635.80	3068.76	1020.00	3030.00	3797.70	3905.40	4050.00
*	500.000	348.41	.00	348.87	760.00	9275.79	24935.60	10788.62	760.00	3430.00	3766.70	4005.40	4190.00
*	500.000	348.98	.58	349.38	875.00	12312.50	24485.27	8202.24	875.00	3280.00	3766.70	4005.40	4155.00
*	507.000	348.46	.00	349.44	1280.19	433.74	43284.47	1281.78	.00	.00	3860.70	4289.50	.00
*	507.000	348.99	.52	349.89	484.00	157.96	43470.42	1371.62	484.00	3851.00	3860.70	4289.50	4335.00
*	508.000	348.24	.00	349.71	1009.63	281.76	43411.40	1306.84	.00	.00	3860.70	4289.50	.00
*	508.000	348.78	.55	350.14	482.00	207.94	43381.50	1410.56	482.00	3852.00	3860.70	4289.50	4334.00
	509.000	348.63	.00	349.96	1176.70	2157.12	42568.43	274.46	.00	.00	3889.40	4322.40	.00
	509.000	349.04	.41	350.34	484.00	1723.03	42988.84	288.13	484.00	3851.00	3889.40	4322.40	4335.00
*	510.000	349.14	.00	350.02	493.40	346.63	44007.95	645.42	493.40	3864.30	3885.30	4317.20	4357.70
*	510.000	349.58	.44	350.41	485.00	365.16	43952.22	682.62	485.00	3867.00	3885.30	4317.20	4352.00
*	515.000	350.03	.00	350.20	830.00	12448.68	31700.07	851.25	830.00	3640.00	3935.00	4447.80	4470.00
*	515.000	350.37	.34	350.59	690.00	9668.90	35331.10	.00	690.00	3750.00	3935.00	4447.80	4440.00

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
	520.000	350.05	.00	350.34	711.61	3519.75	39699.54	1780.71	760.00	4240.00	4347.80	4855.30	5000.00
	520.000	350.43	.38	350.73	625.00	3670.36	41014.71	314.93	625.00	4240.00	4347.80	4855.30	4865.00
*	530.000	350.00	.00	350.63	576.39	2187.67	35680.74	7131.60	641.00	4050.00	4190.20	4516.30	4691.00
*	530.000	350.37	.37	351.02	480.00	1131.69	36643.10	7225.22	480.00	4170.00	4190.20	4516.30	4650.00
	535.000	349.94	.00	350.88	530.00	774.17	38056.98	6168.85	530.00	2070.00	2119.80	2411.10	2600.00
	535.000	350.33	.38	351.26	410.00	.00	38543.30	6456.70	410.00	2120.00	2119.80	2411.10	2530.00
	540.000	350.33	.00	351.11	508.34	2018.31	40569.55	2412.15	.00	.00	2055.80	2395.10	.00
	540.000	350.65	.32	351.50	412.00	8.59	42421.59	2569.82	412.00	2055.00	2055.80	2395.10	2467.00
	550.000	350.75	.00	351.48	621.73	5900.62	33086.71	6012.67	.00	.00	1894.00	2153.30	.00
	550.000	351.10	.35	351.87	520.00	4576.40	34066.30	6357.30	520.00	1830.00	1894.00	2153.30	2350.00
	560.000	351.34	.00	351.79	675.47	2817.36	27770.23	14412.41	.00	.00	1638.20	1898.10	.00
	560.000	351.73	.39	352.17	625.00	2702.19	27987.60	14310.21	625.00	1575.00	1638.20	1898.10	2200.00
	562.000	351.53	.00	351.89	744.46	3716.00	20926.40	20357.60	.00	.00	1181.40	1385.00	.00
	562.000	351.93	.39	352.27	710.00	3703.88	20883.51	20412.61	710.00	1080.00	1181.40	1385.00	1790.00
	564.000	351.65	.00	351.97	771.13	5323.74	25249.68	14426.58	.00	.00	1053.10	1332.20	.00
	564.000	352.04	.39	352.34	730.00	5242.91	25208.25	14548.84	730.00	920.00	1053.10	1332.20	1650.00
	566.000	351.38	.00	352.25	586.95	2381.65	38975.88	3642.47	.00	.00	971.90	1257.50	.00
	566.000	351.78	.40	352.61	535.00	2291.27	38979.42	3729.32	535.00	870.00	971.90	1257.50	1405.00
	570.000	351.05	.00	352.72	454.01	2668.25	38116.58	4215.16	.00	.00	1642.70	1843.30	.00
	570.000	351.47	.42	353.05	435.00	2746.69	37994.10	4259.21	435.00	1525.00	1642.70	1843.30	1960.00
	572.000	351.54	.00	352.94	429.57	2594.57	39473.14	2932.29	.00	.00	832.00	1056.10	.00
	572.000	351.90	.36	353.25	393.00	2615.14	39463.08	2921.78	393.00	757.00	832.00	1056.10	1150.00
	574.000	352.23	.00	353.13	429.41	913.89	42161.19	1924.92	.00	.00	747.50	1043.60	.00
	574.000	352.55	.32	353.42	385.00	922.34	42268.61	1809.05	385.00	705.00	747.50	1043.60	1090.00
	576.000	352.13	.00	353.33	422.28	974.31	38207.11	5818.58	.00	.00	733.40	959.30	.00
	576.000	352.40	.27	353.64	372.00	1001.86	39039.84	4958.31	372.00	688.00	733.40	959.30	1060.00
	582.000	352.54	.00	353.61	579.40	2142.75	33447.15	9410.10	.00	.00	698.20	914.10	.00
	582.000	352.65	.10	353.93	465.00	1788.25	35938.52	7273.23	465.00	615.00	698.20	914.10	1080.00
	584.000	352.84	.00	353.78	574.54	2601.64	33311.14	9087.21	.00	.00	632.70	857.90	.00
	584.000	353.24	.40	354.13	547.00	2629.92	33305.62	9064.46	547.00	538.00	632.70	857.90	1085.00
	586.000	353.06	.00	353.94	576.58	3275.13	28996.77	12728.10	.00	.00	582.70	772.70	.00
	586.000	353.31	.25	354.32	495.00	3520.21	30882.23	10597.57	495.00	465.00	582.70	772.70	960.00
*	592.000	352.79	.00	354.63	422.69	2800.17	31496.20	10703.63	455.20	344.80	443.90	597.60	800.00
*	592.000	352.96	.17	355.10	349.00	2993.29	33503.95	8502.76	349.00	371.00	443.90	597.60	720.00

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
*	594.000	353.27	.00	358.23	260.06	5136.37	32643.34	7220.29	.00	.00	630.70	779.90	.00
*	594.000	352.93	-.34	358.39	235.00	5001.11	33075.16	6923.72	235.00	595.00	630.70	779.90	830.00
*	600.000	360.55	.00	361.79	351.25	12812.21	30205.13	1982.66	450.00	600.00	778.90	979.10	1050.00
*	600.000	360.78	.23	362.00	335.00	12922.07	30233.79	1844.14	335.00	660.00	778.90	979.10	995.00
*	610.000	363.40	.00	364.03	397.29	3731.79	39442.21	1826.00	452.30	200.00	319.90	622.80	652.30
*	610.000	363.58	.18	364.22	365.00	3002.62	40225.27	1772.11	365.00	280.00	319.90	622.80	645.00
	620.000	365.57	.00	366.11	492.57	40.75	44898.39	60.86	500.00	250.00	299.20	732.00	750.00
	620.000	365.73	.16	366.29	400.00	.00	45000.00	.00	400.00	330.00	299.20	732.00	730.00
	630.000	366.77	.00	367.33	489.11	7137.99	34115.39	3746.62	504.60	300.00	445.60	718.00	804.60
	630.000	366.93	.15	367.55	370.00	5714.01	35532.07	3753.93	370.00	380.00	445.60	718.00	750.00
*	640.000	368.29	.00	369.99	362.89	4081.82	32759.11	8159.07	.00	.00	433.90	577.60	.00
*	640.000	368.41	.12	370.59	199.00	4545.05	36553.00	3901.95	199.00	401.00	433.90	577.60	600.00

SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION SECNO= 100.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

WARNING SECNO= 110.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 110.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 120.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 120.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 130.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 130.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 150.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 150.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 160.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 160.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 170.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 170.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 180.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 190.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 200.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
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WARNING SECNO= 210.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
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WARNING SECNO= 211.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
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WARNING SECNO= 239.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
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WARNING SECNO= 245.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 245.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

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WARNING SECNO=    260.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    260.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    280.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    280.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    300.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    300.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    320.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    320.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    330.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    330.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    358.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    358.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    400.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    421.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    421.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    425.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    425.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    440.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    450.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    450.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    470.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    470.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=    480.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    480.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    480.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    480.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

WARNING SECNO=    483.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    483.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    485.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    485.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    486.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    486.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    490.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    500.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
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WARNING SECNO=    500.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    507.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    507.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    508.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    508.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    510.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    510.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    515.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    515.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    530.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    530.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    592.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    592.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=    594.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    594.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    594.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    594.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

WARNING SECNO=    600.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    600.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    610.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    610.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    640.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    640.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
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FLOODWAY DATA, PROFILE 1 - 100 YEAR FLO
PROFILE NO. 2

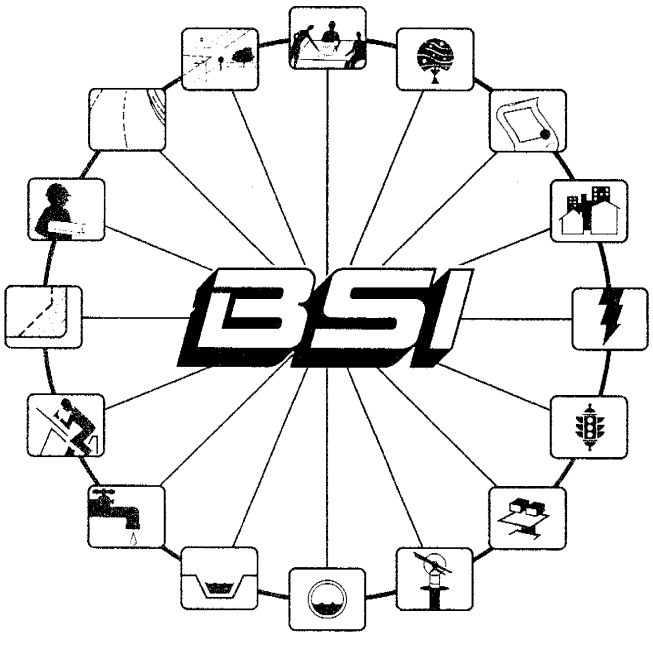
STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
100.000	260.	3048.	16.4	283.5	282.5	1.0
110.000	300.	3958.	12.6	289.6	289.8	-.2
120.000	340.	5119.	9.8	292.9	292.9	.0
130.000	353.	6995.	7.1	301.1	300.4	.7
140.000	330.	7642.	6.5	305.5	304.5	1.0
150.000	955.	16977.	2.9	306.9	306.0	.9
160.000	1445.	20633.	2.4	307.4	306.5	.9
170.000	1580.	25770.	1.9	307.5	306.6	.9
180.000	1455.	24749.	2.0	307.5	306.7	.8
190.000	1450.	27001.	1.9	307.6	306.7	.9
200.000	1605.	28403.	1.8	307.6	306.7	.9
209.000	1700.	26517.	1.9	307.7	306.9	.8
210.000	1700.	18855.	2.7	307.6	306.8	.8
211.000	1700.	26618.	1.9	307.8	306.9	.9
220.000	1585.	20445.	2.4	308.0	307.1	.9
230.000	1175.	15347.	3.3	308.1	307.3	.8
239.000	670.	9514.	5.3	307.9	307.1	.8
240.000	494.	8704.	5.7	309.6	309.2	.4
242.000	492.	7995.	6.3	309.6	309.1	.5
243.000	492.	8027.	6.2	309.7	309.2	.5
244.000	510.	8722.	5.7	309.8	309.4	.4
245.000	650.	12211.	4.1	310.2	310.0	.2
250.000	910.	13874.	3.6	311.4	310.8	.6
260.000	610.	7706.	6.5	312.6	311.7	.9
270.000	720.	9131.	5.4	315.4	314.8	.6
280.000	1330.	16409.	3.0	317.3	316.5	.8
285.000	1490.	16405.	3.0	317.8	317.0	.8
290.000	1594.	14616.	3.4	318.2	317.5	.7
300.000	1474.	11648.	4.2	318.9	318.2	.7
310.000	1350.	11963.	4.1	319.8	319.2	.6
320.000	1120.	8450.	5.8	321.6	320.7	.9
330.000	880.	9039.	5.3	324.3	323.9	.4
340.000	960.	10270.	4.7	325.6	325.2	.4
345.000	970.	9041.	5.3	326.3	326.0	.3
355.000	870.	8036.	6.0	327.3	327.0	.3
356.000	770.	5993.	8.0	328.7	328.4	.3
358.000	790.	5853.	8.2	328.5	328.1	.4
360.000	870.	10063.	4.8	330.4	329.9	.5
370.000	1030.	11378.	4.2	331.0	330.6	.4
380.000	1085.	10946.	4.4	331.4	331.0	.4
390.000	890.	9176.	5.2	332.3	331.7	.6
400.000	765.	10960.	4.4	333.5	332.9	.6

FLOODWAY DATA, PROFILE 1 - 100 YEAR FLO
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
410.000	739.	10498.	4.6	334.3	333.6	.7
415.000	745.	11433.	4.2	335.0	334.5	.5
420.000	653.	9766.	4.9	335.4	334.9	.5
421.000	440.	4798.	10.0	335.4	335.0	.4
422.000	440.	3736.	12.8	334.9	334.4	.5
423.000	442.	4024.	11.9	335.7	335.5	.2
424.000	449.	4490.	10.7	336.4	336.2	.2
425.000	850.	8731.	5.5	338.8	338.7	.1
430.000	1000.	7073.	6.8	339.8	339.6	.2
440.000	1055.	8002.	5.7	341.6	340.6	1.0
450.000	1035.	11174.	4.1	342.2	341.2	1.0
460.000	980.	11894.	3.9	342.4	341.5	.9
470.000	1005.	7213.	6.4	342.5	341.7	.8
480.000	1021.	3837.	12.0	343.7	343.9	-.2
483.000	1020.	6117.	7.5	346.3	346.0	.3
484.000	1015.	6096.	7.5	347.0	346.6	.4
485.000	1015.	4585.	10.0	346.6	346.3	.3
486.000	1015.	6724.	6.8	347.6	347.0	.6
490.000	1020.	7949.	5.8	348.4	347.6	.8
500.000	875.	9155.	4.9	349.0	348.4	.6
507.000	484.	5953.	7.6	349.0	348.5	.5
508.000	482.	4862.	9.3	348.8	348.2	.6
509.000	484.	4970.	9.1	349.0	348.6	.4
510.000	485.	6250.	7.2	349.6	349.1	.5
515.000	690.	12157.	3.7	350.4	350.0	.4
520.000	625.	10329.	4.4	350.4	350.0	.4
530.000	480.	7296.	6.2	350.4	350.0	.4
535.000	410.	6023.	7.5	350.3	349.9	.4
540.000	412.	6286.	7.2	350.7	350.3	.4
550.000	520.	6995.	6.4	351.1	350.7	.4
560.000	625.	9221.	4.9	351.7	351.3	.4
562.000	710.	10358.	4.3	351.9	351.5	.4
564.000	730.	10850.	4.1	352.0	351.7	.3
566.000	535.	7481.	6.0	351.8	351.4	.4
570.000	435.	5692.	7.9	351.5	351.1	.4
572.000	393.	5777.	7.8	351.9	351.5	.4
574.000	385.	6558.	6.9	352.5	352.2	.3
576.000	372.	5884.	7.6	352.4	352.1	.3
582.000	465.	6245.	7.2	352.6	352.5	.1
584.000	547.	7613.	5.9	353.2	352.8	.4
586.000	495.	7253.	6.2	353.3	353.1	.2
592.000	349.	4916.	9.2	353.0	352.8	.2

FLOODWAY DATA, PROFILE 1 - 100 YEAR FLO
PROFILE NO. 2

STATION	------- FLOODWAY ------- WIDTH	SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
594.000	235.	2436.	18.5	352.9	353.3	-.4
600.000	335.	5140.	8.8	360.8	360.5	.3
610.000	365.	6987.	6.4	363.6	363.4	.2
620.000	400.	7534.	6.0	365.7	365.6	.1
630.000	370.	7197.	6.3	366.9	366.8	.1
640.000	199.	3798.	11.8	368.4	368.3	.1



BSI Consultants, Inc.

BSI Consultants, Inc.

SAN DIEGO RIVER

FLOOD STUDY

HEC 2 RUNS USING

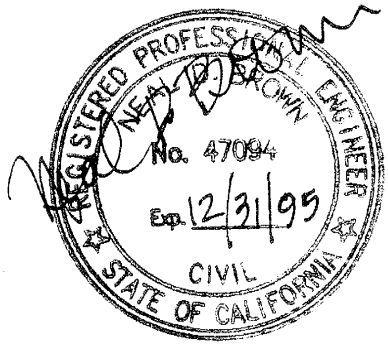
FEMA DISCHARGE RATES

City of Santee

July, 1992

TABLE OF CONTENTS

FEMA Runs



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**********************************************************
*  WATER SURFACE PROFILES                                *
*  DEVELOPED BY THE COE                                  *
*  VERSION OF SEPTEMBER 1988                             *
*                                                        *
*  RUN DATE     6/24/92    TIME    11:58:14              *
**********************************************************
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```
****************************************
*  DODSON AND ASSOCIATES, INC.         *
*  HYDROLOGIST AND CIVIL ENGINEERS     *
*  7015 W TIDWELL SUITE 107            *
*  HOUSTON, TEXAS 77092                *
*  (713) 895-8322                      *
****************************************
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X     X  XXXXXXX   XXXXX             XXXXX
X     X  X        X     X           X     X
X     X  X        X                       X
XXXXXXX  XXXX     X          XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX  XXXXX              XXXXXXX
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END OF BANNER

THIS RUN EXECUTED 6/24/92 11:58:14

****

HEC2 RELEASE DATED SEPT 88

****

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T1      SAN DIEGO RIVER
T2      CITY OF SANTEE
T3      FLOODPLAIN ANALYSIS USING FEMA FLOWRATES
T4      PROFILE 1 - 5,500 CFS (10 YEAR - FEMA)
T5      PROFILE 2 - 19,000 CFS (50 YEAR - FEMA)
T6      PROFILE 3 - 38,000 CFS (100 YEAR - FEMA)

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

                2                             -1                                    274

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

      1         0        -1                                      -1                            15


J3  VARIABLE CODES FOR SUMMARY PRINTOUT

     38         1         2         8        43        13        14        15         3         5
     55        26        56                  38        21        23        22        24        16
     17        18        39        33        25        20        12                  38         4
     53        54        10        11        51        52        58

NC      .08       .08      0.18       0.1       0.3
QT      3.0       5500     19000     38000
        MISSION DAM - DOWNSTREAM LIMIT OF STUDY (SUB-CRITICAL FLOW ASSUMED)
X1      100       42.0     340.8     600.7      0.0       0.0       0.0
GR    322.0     106.3     320.0     113.0     318.0     136.3     316.0     145.1     314.0     149.2
GR    312.0     156.4     310.0     163.1     308.0     173.8     306.0     184.7     304.0     195.9
GR    302.0     206.5     300.0     254.3     298.0     260.1     296.0     265.0     294.0     267.5
GR    292.0     274.0     290.0     278.2     288.0     289.9     286.0     302.9     284.0     308.8
GR    282.0     315.2     280.0     340.8     278.0     347.4     276.0     353.5     274.0     360.8
GR    272.0     383.8     270.0     502.7     270.0     562.6     272.0     577.0     274.0     584.1
GR    276.0     589.9     278.0     597.2     280.0     600.7     290.0     612.3     300.0     626.4
GR    310.0     650.9     312.0     658.7     314.0     662.9     314.0     676.5     312.0     689.0
GR    310.0     703.7     300.0     723.7
```

NC	0.08	0.08	0.18							
X1	110	42.0	339.7	600.3	45.0	45.0	45.0			
GR	322.0	102.1	320.0	107.6	318.0	116.9	316.0	127.8	314.0	137.2
GR	312.0	150.6	310.0	159.7	308.0	165.6	306.0	171.6	304.0	186.0
GR	302.0	199.6	300.0	228.0	298.0	257.2	296.0	261.3	294.0	270.2
GR	292.0	276.4	290.0	280.6	288.0	299.4	286.0	308.1	284.0	314.0
GR	282.0	319.1	280.0	339.7	278.0	369.2	276.0	377.8	274.0	405.7
GR	274.0	424.4	276.0	513.7	274.0	561.0	274.0	571.2	278.0	589.6
GR	276.0	590.1	280.0	600.3	290.0	620.6	300.0	629.3	310.0	638.9
GR	312.0	644.0	314.0	647.2	318.0	659.0	320.0	669.0	322.0	682.9
GR	322.0	707.6	320.0	723.0						
NC	0.08	0.08	0.18							
X1	120	32.0	354.5	602.5	55.0	55.0	55.0			
GR	308.0	102.3	306.0	116.7	304.0	151.7	302.0	196.8	300.0	221.4
GR	298.0	252.0	296.0	274.8	294.0	281.9	292.0	290.3	290.0	304.3
GR	288.0	311.6	286.0	319.1	284.0	327.2	282.0	341.2	280.0	354.5
GR	278.0	367.7	276.0	399.7	274.0	403.0	274.0	425.1	274.0	467.8
GR	274.0	547.3	276.0	555.0	278.0	566.9	280.0	602.5	288.0	643.7
GR	290.0	648.8	300.0	670.6	310.0	693.0	312.0	702.1	314.0	713.5
GR	316.0	721.4	318.0	739.3						
NC	0.08	0.08	0.18							
X1	130	39.0	353.0	583.5	520.0	520.0	520.0			
GR	312.0	79.0	310.0	90.0	308.0	98.0	306.0	104.9	304.0	118.2
GR	302.0	123.6	300.0	141.8	298.0	205.2	296.0	271.7	294.0	278.5
GR	292.0	282.7	290.0	289.9	288.0	325.4	286.0	341.4	284.0	346.3
GR	280.0	353.0	278.0	357.1	278.0	375.2	278.0	394.4	276.0	420.6
GR	276.0	449.2	278.0	454.6	280.0	583.5	282.0	599.6	284.0	611.7
GR	286.0	627.5	288.0	644.3	290.0	653.5	298.0	683.1	300.0	687.1
GR	302.0	701.7	304.0	711.7	306.0	720.8	308.0	730.8	310.0	741.8
GR	312.0	759.2	314.0	773.7	316.0	790.4	318.0	820.0		
NC	0.08	0.08	0.18	0.3	0.5					
X1	140	32.0	242.6	482.4	555.0	555.0	555.0			
GR	330.0	102.8	320.0	127.5	310.0	152.4	300.0	161.2	294.0	209.3
GR	294.0	217.9	290.0	230.3	288.0	233.1	286.0	237.3	284.0	242.6
GR	282.0	247.1	280.0	259.9	278.0	269.7	276.0	332.7	276.0	349.0
GR	278.0	361.2	280.0	371.2	282.0	467.9	284.0	482.4	286.0	497.6
GR	288.0	507.7	290.0	514.9	300.0	546.9	302.0	555.2	304.0	562.8
GR	306.0	577.1	308.0	587.4	310.0	606.1	312.0	626.3	314.0	654.4
GR	316.0	690.6	316.0	781.7						
NC	0.08	0.035	0.16							
X1	150	39.0	273.6	738.1	555.0	555.0	580.0			
X3				108.5		1170.0				
GR	324.0	108.5	322.0	117.6	320.0	129.6	318.0	140.8	316.0	151.8
GR	314.0	159.5	312.0	167.6	310.0	175.6	300.0	203.4	298.0	206.4
GR	298.0	208.7	298.0	256.1	290.0	273.6	288.0	277.8	286.0	284.5
GR	284.0	293.6	282.0	385.5	280.0	411.0	280.0	552.4	280.0	655.2
GR	280.0	703.0	290.0	738.1	292.0	750.6	294.0	758.6	296.0	870.3
GR	296.0	894.6	296.0	1042.4	298.0	1080.5	300.0	1153.4	302.0	1232.5
GR	304.0	1332.3	306.0	1432.2	308.0	1480.5	310.0	1538.6	312.0	1585.5

GR	314.0	1637.3	316.0	1690.9	318.0	1742.0	320.0	1781.4		
NH	3	0.04	497.4	0.08	1450.1	0.040	2720.0			
X1	160	56	1331.1	1412.3	900.0	670.0	670.0			
X3	10	0	0	0	0	0	0	0	0	0
GR	322.0	0.0	320.0	55.0	318.0	85.0	316.0	133.6	314.0	158.2
GR	312.0	166.4	310.0	280.5	308.0	342.6	306.0	358.4	304.0	371.8
GR	302.0	379.5	300.0	388.4	298.0	395.0	296.0	400.8	294.0	409.4
GR	292.0	416.6	284.0	497.4	282.0	524.4	282.0	589.9	284.0	597.7
GR	286.0	637.8	288.0	649.2	290.0	1193.1	292.0	1208.4	294.0	1225.6
GR	296.0	1239.8	298.0	1254.6	300.0	1263.4	302.0	1271.5	302.0	1277.6
GR	300.0	1286.7	298.0	1294.6	296.0	1302.7	294.0	1320.7	292.0	1331.1
GR	290.0	1339.6	282.0	1363.6	282.0	1400.5	290.0	1412.3	300.0	1439.6
GR	306.0	1450.1	308.0	1483.3	306.0	1504.8	304.0	1515.9	302.0	1528.7
GR	302.0	1778.9	304.0	1792.9	306.0	1798.8	306.0	1873.0	304.0	1879.5
GR	304.0	1911.4	305.0	1930.0	310.0	2125.0	315.0	2430.0	320.0	2620.0
GR	328.0	2720.0								
NC				0.1	0.3					
NH	3	0.04	744.3	0.08	1725.4	0.04	3120.0			
X1	170	42.0	1483.2	1544.1	325.0	315.0	320.0			
X3	10	0	0	0	0	2100	0	0	0	0
GR	320.0	164.6	318.0	193.5	316.0	222.9	314.0	243.0	312.0	266.0
GR	310.0	289.5	308.0	311.8	306.0	336.8	304.0	354.7	302.0	384.8
GR	300.0	407.7	298.0	429.7	296.0	457.8	294.0	489.8	292.0	530.3
GR	290.0	535.9	288.0	569.7	286.0	744.3	284.0	761.0	282.0	772.2
GR	282.0	813.9	284.0	822.3	286.0	830.3	288.0	842.6	290.0	867.5
GR	292.0	977.6	292.0	1483.2	290.0	1487.1	284.0	1504.3	284.0	1529.0
GR	290.0	1544.1	292.0	1725.4	294.0	1819.8	296.0	1883.7	298.0	1988.6
GR	300.0	2050.0	300.0	2200.0	305.0	2400.0	310.0	2630.0	310.0	2680.0
GR	315.0	2880.0	320.0	3120.0						
NH	4	0.04	608.0	0.03	1109.0	0.08	1759.0	0.04	2935.0	
X1	180	35.0	1530.0	1759.0	529.0	570.0	550.0			
X3	10	0	0	0	0	2000	0	0	0	0
GR	324.0	208.3	322.0	247.9	320.0	282.2	318.0	313.0	316.0	344.4
GR	314.0	371.7	310.0	415.0	300.0	531.0	290.0	608.0	288.0	647.0
GR	286.0	703.0	286.0	1032.0	288.0	1053.0	290.0	1109.0	292.0	1308.0
GR	292.0	1530.0	290.0	1603.0	288.0	1627.0	286.0	1640.0	286.0	1743.0
GR	288.0	1750.0	290.0	1759.0	296.0	1772.0	298.0	1800.0	296.0	1827.0
GR	296.0	1884.0	298.0	1887.0	300.0	1962.0	300.0	2380.0	305.0	2390.0
GR	300.0	2440.0	305.0	2500.0	310.0	2570.0	315.0	2850.0	320.0	2935.0
NH	4	0.04	508.2	0.03	1455.3	0.08	1827.3	0.04	2950.0	
X1	190	52	1576.3	1809.7	505.0	505.0	505.0			
X3	10	0	0	0	0	0	0	0	0	0
GR	322.0	35.0	320.0	61.0	318.0	85.0	316.0	135.7	314.0	193.6
GR	312.0	243.3	310.0	277.0	310.0	339.0	310.0	407.4	308.0	424.7
GR	306.0	438.4	304.0	449.2	302.0	457.0	300.0	466.5	298.0	472.3
GR	296.0	500.5	294.0	508.2	292.0	518.3	290.0	524.8	288.0	531.3
GR	286.0	540.8	286.0	978.3	286.0	1036.5	286.0	1374.7	288.0	1391.0
GR	290.0	1413.5	292.0	1428.0	294.0	1443.6	296.0	1455.3	296.0	1576.3
GR	294.0	1586.7	292.0	1592.6	290.0	1603.2	288.0	1646.1	286.0	1668.1
GR	286.0	1706.0	286.0	1711.1	286.0	1798.8	288.0	1804.1	290.0	1809.7

GR	300.0	1827.3	302.0	1830.0	304.0	1891.2	306.0	1927.1	308.0	1932.4
GR	308.0	1936.0	306.0	1942.7	306.0	1952.2	310.0	2150.0	315.0	2380.0
GR	320.0	2750.0	325.0	2950.0						
NH	3	0.04	459.2	0.125	1599.5	0.04	2585.0			
X1	200	57.0	1439.7	1562.7	720.0	750.0	740.0			
X3	10	0	0	0	0	0	0	0	0	0
GR	320.0	25.0	318.0	95.0	316.0	152.8	314.0	197.7	312.0	232.1
GR	310.0	257.8	308.0	284.8	306.0	307.0	304.0	333.7	302.0	359.3
GR	300.0	383.4	298.0	415.9	296.0	429.0	294.0	459.2	292.0	478.2
GR	290.0	484.7	288.0	492.8	286.0	975.5	286.0	1006.1	286.0	1203.4
GR	286.0	1406.9	288.0	1416.2	290.0	1423.8	292.0	1430.8	294.0	1434.3
GR	296.0	1439.7	296.0	1463.1	294.0	1466.8	292.0	1469.6	290.0	1474.0
GR	286.0	1482.4	286.0	1532.8	288.0	1548.0	290.0	1554.3	292.0	1558.1
GR	294.0	1562.7	296.0	1567.3	298.0	1570.1	300.0	1574.3	300.0	1585.0
GR	296.0	1593.3	294.0	1599.5	294.0	1637.4	294.0	1665.6	294.0	1695.5
GR	296.0	1771.3	296.0	1775.4	294.0	1779.7	294.0	1907.5	296.0	1914.0
GR	298.0	1918.9	300.0	1923.5	302.0	1929.2	305.0	2000.0	310.0	2300.0
GR	315.0	2490.0	320.0	2585.0						
NH	3	0.04	465.0	0.125	1479.2	0.04	2610.0			
X1	209	47	1233.4	1479.2	430.0	365.0	390.0			
X3	10	0	0	0	0	0	0	0	0	0
GR	320.0	40.0	318.0	95.0	316.0	140.4	314.0	213.9	312.0	238.5
GR	310.0	249.4	308.0	258.8	308.0	278.4	308.0	306.3	306.0	357.7
GR	304.0	383.3	302.0	436.4	300.0	460.0	298.0	465.0	296.0	473.7
GR	294.0	492.3	292.0	514.5	290.0	554.4	288.0	673.2	286.0	779.3
GR	286.0	1081.2	288.0	1151.0	290.0	1166.1	292.0	1186.0	294.0	1203.7
GR	296.0	1225.8	298.0	1233.4	298.0	1266.3	296.0	1274.8	294.0	1280.7
GR	292.0	1291.8	290.0	1309.1	288.0	1316.7	286.0	1323.7	286.0	1437.3
GR	288.0	1458.5	290.0	1465.4	292.0	1471.5	294.0	1479.2	296.0	1655.4
GR	298.0	1934.4	300.0	2100.0	305.0	2325.0	310.0	2510.0	315.0	2540.0
GR	320.0	2550.0	325.0	2610.0						
NH	3	0.04	465.0	0.125	1479.2	0.04	2610.0			
X1	210	35	1233.4	1479.2	10.0	10.0	10.0			
X3	10	0	0	0	0	0	0	0	0	0
GR	320.0	40.0	318.0	95.0	316.0	140.4	314.0	213.9	312.0	238.5
GR	310.0	249.4	308.0	258.8	308.0	278.4	308.0	306.3	306.0	357.7
GR	304.0	383.3	302.0	436.4	300.0	460.0	298.0	465.0	298.0	1233.4
GR	298.0	1266.3	296.0	1274.8	294.0	1280.7	292.0	1291.8	290.0	1309.1
GR	288.0	1316.7	286.0	1323.7	286.0	1437.3	288.0	1458.5	290.0	1465.4
GR	292.0	1471.5	294.0	1479.2	296.0	1655.4	298.0	1934.4	300.0	2100.0
GR	305.0	2325.0	310.0	2510.0	315.0	2540.0	320.0	2550.0	325.0	2610.0
NH	3	0.04	465.0	0.125	1479.2	0.04	2610.0			
X1	211	47	1233.4	1479.2	10.0	10.0	10.0			
X3	10	0	0	0	0	0	0	0	0	0
GR	320.0	40.0	318.0	95.0	316.0	140.4	314.0	213.9	312.0	238.5
GR	310.0	249.4	308.0	258.8	308.0	278.4	308.0	306.3	306.0	357.7
GR	304.0	383.3	302.0	436.4	300.0	460.0	298.0	465.0	296.0	473.7
GR	294.0	492.3	292.0	514.5	290.0	554.4	288.0	673.2	286.0	779.3
GR	286.0	1081.2	288.0	1151.0	290.0	1166.1	292.0	1186.0	294.0	1203.7
GR	296.0	1225.8	298.0	1233.4	298.0	1266.3	296.0	1274.8	294.0	1280.7

GR	292.0	1291.8	290.0	1309.1	288.0	1316.7	286.0	1323.7	286.0	1437.3
GR	288.0	1458.5	290.0	1465.4	292.0	1471.5	294.0	1479.2	296.0	1655.4
GR	298.0	1934.4	300.0	2100.0	305.0	2325.0	310.0	2510.0	315.0	2540.0
GR	320.0	2550.0	325.0	2610.0						
NC	0.04	0.04	0.20							
X1	220	41	745.8	1065.0	830.0	770.0	810.0			
GR	322.0	150.4	320.0	203.3	318.0	243.5	316.0	285.0	314.0	322.2
GR	312.0	347.7	310.0	374.4	308.0	400.2	306.0	431.4	304.0	465.2
GR	302.0	485.6	300.0	510.2	298.0	524.9	298.0	574.3	298.0	584.8
GR	296.0	651.5	294.0	736.3	292.0	745.8	290.0	809.7	288.0	832.4
GR	288.0	990.1	290.0	1026.9	292.0	1065.0	294.0	1377.8	296.0	1394.0
GR	298.0	1420.2	298.0	1493.8	298.0	1539.1	298.0	1562.9	298.0	1687.3
GR	298.0	1757.3	298.0	1873.0	298.0	1920.0	298.0	1964.6	300.0	2085.9
GR	302.0	2110.3	304.0	2117.1	306.0	2174.7	308.0	2188.1	315.0	2330.0
GR	320.0	2390.0								
NC	0.04	0.04	0.20							
X1	230	45.0	941.1	1142.7	465.0	505.0	490.0			
X3	0	0	0	825.0	0	2050.0	0	0	0	0
GR	330.0	101.0	328.0	152.6	326.0	218.4	324.0	300.8	322.0	348.6
GR	320.0	387.2	318.0	451.4	316.0	496.5	314.0	545.0	312.0	593.3
GR	310.0	634.8	308.0	671.1	306.0	723.4	304.0	811.3	302.0	829.7
GR	300.0	865.9	298.0	889.4	296.0	902.0	294.0	939.5	292.0	941.1
GR	290.0	955.7	288.0	1002.9	288.0	1074.8	290.0	1090.0	292.0	1142.7
GR	294.0	1280.3	294.0	1427.1	294.0	1543.5	296.0	1559.7	298.0	1575.7
GR	298.0	1826.4	298.0	1844.4	298.0	2021.3	298.0	2061.1	300.0	2083.4
GR	302.0	2094.8	304.0	2109.5	306.0	2146.5	308.0	2209.0	310.0	2253.9
GR	312.0	2329.1	314.0	2373.7	316.0	2415.5	316.0	2439.6	318.0	2450.0
NC	0.04	0.04	0.20							
X1	239	36	2398.5	2724.4	400.0	440.0	420.0			
X3	0	0	0	2370	0	3040.0	0	0	0	0
GR	326.0	1750.0	324.0	1802.0	322.0	1870.0	320.0	1920.0	318.0	2005.0
GR	316.0	2080.0	314.0	2125.5	312.0	2165.8	310.0	2233.3	308.0	2269.5
GR	306.0	2294.3	304.0	2331.7	302.0	2347.4	300.0	2357.7	298.0	2367.2
GR	296.0	2385.3	294.0	2398.5	292.0	2401.7	290.0	2404.4	290.0	2656.3
GR	292.0	2715.8	294.0	2724.4	296.0	2731.5	298.0	2742.2	298.0	2758.1
GR	296.0	2827.0	296.0	2869.3	298.0	2999.5	298.0	3198.0	298.0	3387.9
GR	300.0	3450.9	310.0	3495.2	320.0	3518.9	322.0	3522.4	324.0	3525.4
GR	326.0	3527.8								
NC	0.04	0.04	0.20							
X1	240	65	2519.3	3031.9	195.0	255.0	230.0			
GR	330.0	1682.0	328.0	1750.0	326.0	1805.0	324.0	1860.0	322.0	1920.0
GR	320.0	1980.0	318.0	2060.0	316.0	2139.9	314.0	2194.2	312.0	2259.3
GR	312.0	2339.4	312.0	2505.0	310.0	2508.9	308.0	2515.1	306.0	2519.3
GR	304.0	2524.1	302.0	2530.1	300.0	2533.9	298.0	2537.2	296.0	2540.2
GR	294.0	2543.1	292.0	2549.3	291.0	2584.8	291.0	2591.8	290.0	2668.2
GR	290.0	2675.2	290.0	2751.5	290.0	2758.5	290.0	2834.8	290.0	2841.8
GR	291.0	2918.2	291.0	2925.2	292.0	2934.7	294.0	2939.9	296.0	2954.4
GR	296.0	2977.8	296.0	2999.2	300.0	3001.9	306.0	3004.5	310.0	3031.9
GR	311.0	3036.7	312.0	3041.5	314.0	3074.7	310.0	3080.0	310.0	3180.0
GR	310.0	3238.5	320.0	3430.4	322.0	3475.0	324.0	3592.2	326.0	3677.8

GR	328.0	3684.3	328.0	3733.7	326.0	3788.3	324.0	3847.3	322.0	3883.8
GR	320.0	3953.1	318.0	4017.4	318.0	4167.3	320.0	4201.2	322.0	4225.0
GR	324.0	4239.0	326.0	4260.1	328.0	4274.0	330.0	4291.5	328.0	4386.5
NC	0.03	0.03	0.04	0.3	0.5					
	MAST BLVD BRIDGE		(NORMAL BRIDGE ROUTINE)							
X1	242	57	2519.3	3031.9	10	10	10			
BT	-31	2339.4	312.0	312.0	2505.0	315.0	311.5	2584.8	315.0	311.5
BT		2584.8	315.0	291.0	2591.8	315.0	291.0	2591.8	315.0	311.5
BT		2668.2	315.0	311.5	2668.2	315.0	290.0	2675.2	315.0	290.0
BT		2675.2	315.0	311.5	2751.5	315.0	311.5	2751.5	315.0	290.0
BT		2758.5	315.0	290.0	2758.5	315.0	311.5	2834.8	315.0	311.5
BT		2834.8	315.0	290.0	2841.8	315.0	290.0	2841.8	315.0	311.5
BT		2918.2	315.0	311.5	2918.2	315.0	291.0	2925.2	315.0	291.0
BT		2925.2	315.0	311.5	3004.5	315.0	311.5	3004.5	315.0	306.0
BT		3031.9	315.0	310.0	3036.7	315.0	311.0	3041.5	315.1	312.0
BT		3074.7	315.5	314.0	3080.0	315.6	310.0	3238.5	317.6	310.0
BT		3350.0	320.0	320.0						
GR	330.0	1682.0	328.0	1750.0	326.0	1805.0	324.0	1860.0	322.0	1920.0
GR	320.0	1960.0	318.0	2020.0	316.0	2090.0	314.0	2170.0	312.0	2339.4
GR	312.0	2505.0	310.0	2508.9	308.0	2515.1	306.0	2519.3	304.0	2524.1
GR	302.0	2530.1	300.0	2533.9	298.0	2537.2	296.0	2540.2	294.0	2543.1
GR	292.0	2549.3	291.0	2584.8	291.0	2591.8	290.0	2668.2	290.0	2675.2
GR	290.0	2751.5	290.0	2758.5	290.0	2834.8	290.0	2841.8	291.0	2918.2
GR	291.0	2925.2	292.0	2934.7	294.0	2939.9	296.0	2954.4	296.0	2977.8
GR	296.0	2999.2	300.0	3001.9	306.0	3004.5	310.0	3031.9	311.0	3036.7
GR	312.0	3041.5	314.0	3074.7	310.0	3080.0	310.0	3180.0	310.0	3238.5
GR	320.0	3350.0	322.0	3415.0	324.0	3490.0	326.0	3590.0	328.0	3750.0
GR	328.0	3860.0	326.0	3970.0	324.0	4040.0	324.0	4210.0	326.0	4270.0
GR	328.0	4325.0	330.0	4380.0						
NC	0.03	0.03	0.04							
X1	243	58	2480.0	3001.9	65.0	65.0	65.0			
BT	-31	2339.4	312.0	312.0	2505.0	315.0	311.5	2584.8	315.0	311.5
BT		2584.8	315.0	291.0	2591.8	315.0	291.0	2591.8	315.0	311.5
BT		2668.2	315.0	311.5	2668.2	315.0	290.0	2675.2	315.0	290.0
BT		2675.2	315.0	311.5	2751.5	315.0	311.5	2751.5	315.0	290.0
BT		2758.5	315.0	290.0	2758.5	315.0	311.5	2834.8	315.0	311.5
BT		2834.8	315.0	290.0	2841.8	315.0	290.0	2841.8	315.0	311.5
BT		2918.2	315.0	311.5	2918.2	315.0	291.0	2925.2	315.0	291.0
BT		2925.2	315.0	311.5	3004.5	315.0	311.5	3004.5	315.0	306.0
BT		3031.9	315.0	310.0	3036.7	315.0	311.0	3041.5	315.1	312.0
BT		3074.7	315.5	314.0	3080.0	315.6	310.0	3238.5	317.6	310.0
BT		3350.0	320.0	320.0						
GR	330.0	1682.0	328.0	1750.0	326.0	1805.0	324.0	1860.0	322.0	1920.0
GR	320.0	1960.0	318.0	2020.0	316.0	2090.0	314.0	2170.0	312.0	2339.4
GR	313.0	2480.0	312.0	2505.0	310.0	2508.9	308.0	2515.1	306.0	2519.3
GR	304.0	2524.1	302.0	2530.1	300.0	2533.9	298.0	2537.2	296.0	2540.2
GR	294.0	2543.1	292.0	2549.3	291.0	2584.8	291.0	2591.8	290.0	2668.2
GR	290.0	2675.2	290.0	2751.5	290.0	2758.5	290.0	2834.8	290.0	2841.8
GR	291.0	2918.2	291.0	2925.2	292.0	2934.7	294.0	2939.9	296.0	2954.4
GR	296.0	2977.8	296.0	2999.2	300.0	3001.9	306.0	3004.5	310.0	3031.9
GR	311.0	3036.7	312.0	3041.5	314.0	3074.7	310.0	3080.0	310.0	3180.0
GR	310.0	3238.5	320.0	3350.0	322.0	3415.0	324.0	3490.0	326.0	3590.0

GR	328.0	3750.0	328.0	3860.0	326.0	3970.0	324.0	4040.0	324.0	4210.0
GR	326.0	4270.0	328.0	4325.0	330.0	4380.0				
NC	0.04	0.055	0.14	0.1	0.3					
X1	244	64	2550.5	3075.6	10	10	10			
GR	330.0	1720.0	328.0	1730.0	326.0	1750.0	324.0	1765.0	322.0	1800.0
GR	320.0	1940.0	318.0	1980.0	316.0	2020.0	314.0	2050.0	312.0	2111.7
GR	310.0	2149.8	310.0	2157.7	310.0	2251.0	310.0	2267.6	312.0	2320.7
GR	314.0	2518.2	314.0	2535.4	312.0	2545.0	312.0	2546.4	310.0	2550.5
GR	308.0	2557.6	306.0	2562.4	304.0	2568.1	302.0	2573.4	300.0	2579.0
GR	298.0	2585.3	296.0	2593.3	294.0	2609.6	293.0	2637.6	293.0	2644.6
GR	292.0	2688.9	292.0	2721.0	292.0	2728.0	291.0	2804.3	291.0	2811.3
GR	291.0	2887.6	291.0	2894.6	290.0	2971.0	290.0	2978.0	290.0	3005.0
GR	292.0	3010.4	294.0	3039.7	296.0	3046.7	298.0	3051.9	300.0	3058.0
GR	310.0	3075.6	312.0	3078.7	316.0	3088.0	318.0	3283.0	320.0	3382.0
GR	310.0	3647.0	320.0	3685.0	328.0	3700.0	328.0	3800.0	328.0	3810.0
GR	326.0	3878.0	324.0	3883.0	322.0	3888.0	320.0	3945.0	318.0	4015.0
GR	316.0	4050.0	318.0	4125.0	320.0	4200.0	336.0	4520.0		
NC	0.04	0.055	0.14							
X1	245	55.0	928.4	1396.3	210.0	200.0	165.0			
X3				100.0		1515.0				
GR	330.0	158.8	328.0	203.0	326.0	244.5	324.0	276.7	322.0	313.6
GR	320.0	380.0	318.0	410.8	316.0	447.3	314.0	493.0	312.0	535.8
GR	308.0	648.8	306.0	693.5	304.0	735.4	302.0	760.3	298.0	776.5
GR	296.0	786.2	294.0	816.6	292.0	928.4	290.0	1067.4	290.0	1374.2
GR	292.0	1396.3	294.0	1408.0	296.0	1451.6	298.0	1461.4	298.0	1492.8
GR	296.0	1508.5	296.0	1527.0	298.0	1536.0	300.0	1591.3	300.0	1591.9
GR	300.0	1612.0	302.0	1617.0	304.0	1625.9	306.0	1648.9	308.0	1670.8
GR	310.0	1676.4	310.0	1678.4	308.0	1692.3	306.0	1707.5	304.0	1734.3
GR	302.0	1771.4	302.0	1833.7	304.0	1856.0	306.0	1865.7	308.0	1878.7
GR	310.0	1886.9	312.0	1891.3	314.0	1927.9	316.0	1936.3	318.0	1942.1
GR	320.0	1950.0	330.0	1962.9	332.0	1971.6	332.0	2064.2	330.0	2076.3
NC	0	0	0	0.1	0.3					
NH	4	0.125	2050.0	.04	2550.8	0.14	2947.3	0.055	3701.7	
X1	250	52	2566.7	2740.6	705.0	790.0	740.0			
GR	330.0	1762.0	328.0	1791.0	326.0	1829.0	324.0	1887.0	322.0	1980.0
GR	320.0	2050.0	318.0	2153.8	316.0	2187.3	314.0	2194.5	312.0	2244.8
GR	310.0	2282.9	308.0	2358.3	306.0	2411.1	304.0	2450.5	302.0	2460.8
GR	300.0	2470.2	298.0	2478.8	296.0	2550.8	294.0	2566.7	294.0	2567.0
GR	292.0	2570.7	290.0	2677.6	290.0	2719.3	292.0	2733.9	294.0	2740.6
GR	294.0	2740.7	296.0	2760.8	296.0	2947.3	296.0	2972.9	294.0	3000.5
GR	294.0	3022.9	296.0	3054.0	298.0	3089.0	300.0	3130.4	300.0	3144.4
GR	298.0	3185.1	296.0	3192.7	296.0	3221.8	298.0	3249.3	296.0	3439.1
GR	298.0	3444.5	300.0	3452.9	302.0	3468.9	304.0	3495.0	306.0	3516.7
GR	308.0	3536.0	310.0	3542.2	320.0	3564.9	328.0	3580.4	330.0	3586.6
GR	330.0	3657.8	328.0	3701.7						

NH	5	0.125	2162.1	0.06	2323.9	0.14	2544.6	0.055	3145.9	0.125
NH	3432.0									
X1	260	50	2375.2	2544.6	1035.0	1020.0	1025.0			
GR	330.0	1180.0	325.0	1530.0	322.0	1660.0	320.0	1700.0	318.0	1850.0
GR	316.0	2025.0	314.0	2030.0	312.0	2162.1	312.0	2242.9	312.0	2273.9
GR	310.0	2323.9	308.0	2334.9	306.0	2346.8	304.0	2353.6	302.0	2368.8
GR	300.0	2375.2	298.0	2409.3	296.0	2425.8	294.0	2436.4	294.0	2436.7
GR	294.0	2480.1	294.0	2480.2	296.0	2491.6	298.0	2530.6	300.0	2544.6
GR	302.0	2601.0	302.0	2634.8	302.0	2684.7	302.0	2743.0	300.0	2774.6
GR	298.0	2795.7	298.0	2809.3	298.0	2825.2	298.0	2856.1	300.0	2866.4
GR	302.0	2905.5	304.0	2921.1	306.0	2962.3	308.0	2975.8	310.0	3014.6
GR	312.0	3039.4	314.0	3096.0	316.0	3124.5	318.0	3131.9	320.0	3140.0
GR	322.0	3142.8	324.0	3145.9	324.0	3266.1	324.0	3330.0	326.0	3432.0
QT	3	5000	17000	37000						
NH	5	0.125	2125.8	0.06	2393.6	0.14	2678.6	0.055	3249.6	0.125
NH	3555.0									
X1	270	44	2509.5	2678.6	985.0	930.0	965.0			
X3	10	0	0	0	0	0	0	0	0	0
GR	330.0	1280.0	325.0	1480.0	320.0	1600.0	318.0	1669.0	316.0	1755.0
GR	314.0	1945.0	312.0	2125.8	310.0	2228.0	310.0	2393.6	308.0	2417.3
GR	306.0	2450.5	302.0	2477.3	300.0	2509.5	298.0	2526.5	298.0	2592.8
GR	300.0	2630.4	304.0	2678.6	304.0	2720.6	302.0	2739.0	300.0	2802.1
GR	300.0	2883.1	300.0	2900.1	298.0	2906.1	298.0	2961.0	300.0	2970.1
GR	308.0	2994.6	310.0	3071.9	312.0	3096.3	314.0	3142.5	316.0	3164.8
GR	316.0	3178.8	316.0	3229.5	318.0	3233.8	320.0	3239.2	322.0	3249.6
GR	322.0	3347.9	320.0	3371.3	320.0	3373.7	320.0	3377.1	322.0	3435.0
GR	324.0	3544.0	326.0	3549.0	328.0	3551.0	330.0	3555.0		
NH	5	0.125	388.0	0.06	548.0	0.14	1290.0	0.055	2038.0	0.125
NH	2380.0									
X1	280	49	958.0	1060.0	1045.0	1030.0	1040.0			
GR	328.0	118.0	326.0	195.0	324.0	255.0	322.0	310.0	320.0	388.0
GR	318.0	455.0	316.0	493.0	314.0	498.0	312.0	503.0	310.0	520.0
GR	308.0	548.0	306.0	950.0	306.0	958.0	300.0	977.0	300.0	1030.0
GR	302.0	1038.0	304.0	1043.0	306.0	1060.0	306.0	1242.0	304.0	1290.0
GR	304.0	1340.0	302.0	1370.0	304.0	1385.0	306.0	1408.0	306.0	1432.0
GR	304.0	1502.0	304.0	1570.0	306.0	1635.0	306.0	1665.0	304.0	1690.0
GR	302.0	1800.0	300.0	1830.0	300.0	1850.0	302.0	1855.0	304.0	1862.0
GR	306.0	1933.0	308.0	1995.0	310.0	2005.0	312.0	2010.0	314.0	2019.0
GR	316.0	2030.0	318.0	2038.0	318.0	2170.0	320.0	2211.0	322.0	2219.0
GR	324.0	2232.0	326.0	2300.0	328.0	2360.0	330.0	2380.0		
NC	0.06	0.055	0.14							
X1	285	51	706.6	792.2	665.0	680.0	670.0			
X3	10	0	0	0	0	0	0	0	0	0
GR	325.8	0.0	324.0	111.4	322.0	204.5	318.0	284.9	316.0	402.4
GR	314.0	406.6	312.0	564.3	308.0	625.5	306.0	706.6	304.0	713.6
GR	302.0	721.9	302.0	768.4	304.0	774.6	304.0	774.8	306.0	783.7
GR	310.0	792.2	310.0	820.3	306.0	831.0	304.0	909.5	306.0	1062.5
GR	306.0	1231.8	306.0	1288.1	308.0	1337.2	310.0	1352.2	312.0	1376.4
GR	312.0	1405.7	310.0	1409.6	308.0	1512.8	308.0	1601.1	308.0	1616.3
GR	306.0	1785.5	304.0	1816.6	304.0	1841.7	306.0	1982.3	308.0	1993.1

GR	310.0	2008.2	312.0	2039.8	314.0	2079.9	316.0	2135.9	318.0	2157.1
GR	320.0	2174.6	322.0	2204.7	324.0	2220.1	326.0	2227.3	328.0	2237.7
GR	330.0	2241.4	332.0	2247.8	334.0	2257.8	336.0	2266.8	338.0	2277.9
GR	340.0	2307.8								
NC	0.04	0.055	0.14							
X1	290	81	2655.1	2758.9	645.0	645.0	645.0			
X3	10	0	0	0	0	0	0	0	0	0
GR	330.0	1550.0	328.0	1610.0	326.0	1680.0	324.0	1757.0	322.0	1830.0
GR	320.0	1890.0	320.0	2050.0	318.0	2222.0	316.0	2230.2	316.0	2237.9
GR	318.0	2241.4	318.0	2290.7	316.0	2324.5	314.0	2341.2	312.0	2393.6
GR	312.0	2459.9	312.0	2477.7	310.0	2544.8	308.0	2655.1	306.0	2672.8
GR	304.0	2682.0	302.0	2691.9	302.0	2719.3	304.0	2741.6	304.0	2741.8
GR	306.0	2745.0	308.0	2747.9	310.0	2758.9	308.0	2834.0	308.0	2864.6
GR	310.0	2932.1	310.0	2951.1	310.0	2962.7	310.0	2968.0	308.0	3040.7
GR	308.0	3091.2	310.0	3099.7	310.0	3116.1	308.0	3135.0	308.0	3243.2
GR	310.0	3252.7	312.0	3259.7	314.0	3266.2	316.0	3270.9	318.0	3279.1
GR	320.0	3297.7	318.0	3309.3	316.0	3322.4	314.0	3334.8	312.0	3346.4
GR	310.0	3359.6	308.0	3411.2	306.0	3446.4	308.0	3646.0	310.0	3700.6
GR	314.0	3730.0	314.0	3744.6	312.0	3754.3	310.0	3798.3	308.0	3810.6
GR	310.0	4077.9	312.0	4133.1	314.0	4137.9	316.0	4157.2	318.0	4169.3
GR	320.0	4258.6	322.0	4307.3	324.0	4323.7	326.0	4340.8	328.0	4352.3
GR	330.0	4377.5	332.0	4385.1	334.0	4419.5	336.0	4492.5	338.0	4512.0
GR	340.0	4563.8	342.0	4650.1	344.0	4715.6	346.0	4746.7	348.0	4761.2
GR	348.0	4861.4								
NH	5	0.125	2037.0	0.04	2536.2	0.14	2749.7	0.055	4600.0	0.125
NH	4970.0									
X1	300	80	2536.2	2708.7	655.0	670.0	660.0			
X3	10	0	0	2340.0	0	4140.0	0	0	0	0
GR	330.0	1520.0	328.0	1596.0	326.0	1600.0	324.0	1750.0	322.0	1759.0
GR	320.0	2037.0	318.0	2261.7	316.0	2362.4	314.0	2425.6	312.0	2536.2
GR	308.0	2597.1	306.0	2620.7	306.0	2648.3	308.0	2667.9	312.0	2686.7
GR	314.0	2708.7	314.0	2749.7	312.0	2772.3	310.0	2798.1	308.0	2823.3
GR	308.0	2917.1	308.0	2989.5	308.0	3029.4	308.0	3049.3	308.0	3090.7
GR	308.0	3096.6	310.0	3151.2	312.0	3254.8	312.0	3258.8	312.0	3289.5
GR	312.0	3415.7	314.0	3465.6	316.0	3469.2	318.0	3471.7	318.0	3481.0
GR	316.0	3491.1	314.0	3500.1	314.0	3528.6	316.0	3536.7	318.0	3545.1
GR	320.0	3548.4	322.0	3554.1	322.0	3569.0	320.0	3574.4	318.0	3584.7
GR	316.0	3594.2	314.0	3607.1	312.0	3618.5	312.0	3634.5	312.0	3736.6
GR	312.0	3852.4	312.0	3897.2	310.0	3904.3	308.0	3907.9	308.0	3966.7
GR	312.0	4002.1	314.0	4006.7	316.0	4010.8	318.0	4022.5	320.0	4028.6
GR	320.0	4053.6	320.0	4083.9	320.0	4114.5	320.0	4148.3	320.0	4199.1
GR	318.0	4210.5	316.0	4222.5	316.0	4260.1	318.0	4362.2	320.0	4437.5
GR	322.0	4445.4	324.0	4453.2	326.0	4461.8	326.0	4472.2	324.0	4481.0
GR	324.0	4600.0	324.0	4750.0	326.0	4875.0	328.0	4955.0	330.0	4970.0
NC	0.04	0.055	0.14							
	CONFLUENCE WITH SYCAMORE CREEK									
X1	310	60	2698.4	2822.3	620.0	600.0	610.0			
X3	10	0	0	2460.0	0	4230.0	0	0	0	0
GR	330.0	1530.0	328.0	1565.0	326.0	1682.0	324.0	2100.0	324.0	2102.5
GR	322.0	2202.8	320.0	2315.0	320.0	2355.0	318.0	2455.0	316.0	2580.0
GR	314.0	2698.4	312.0	2738.8	310.0	2752.5	308.0	2761.7	308.0	2773.1

GR	310.0	2793.7	312.0	2798.9	314.0	2811.2	316.0	2822.3	316.0	2833.7
GR	314.0	2843.4	312.0	2851.5	310.0	2944.2	310.0	2978.5	310.0	3016.0
GR	310.0	3032.5	312.0	3085.0	312.0	3099.4	312.0	3160.0	312.0	3297.0
GR	312.0	3324.1	312.0	3343.1	310.0	3422.3	310.0	3422.5	312.0	3462.6
GR	312.0	3549.5	312.0	3553.5	314.0	3569.6	312.0	3686.9	310.0	3695.8
GR	308.0	3710.0	308.0	4070.0	310.0	4130.0	312.0	4191.2	314.0	4198.4
GR	316.0	4207.2	318.0	4215.0	320.0	4234.2	318.0	4662.2	316.0	4670.3
GR	316.0	4679.2	318.0	4685.6	320.0	4801.6	320.0	4805.3	320.0	4906.2
GR	322.0	5240.0	324.0	5415.0	326.0	5650.0	328.0	6065.0	330.0	6240.0
NC	0.04	0.055	0.14							
	CONFLUENCE WITH FORRESTER CREEK									
X1	320	43	988.7	1300.0	665.0	840.0	750.0			
X3	0	0	0	950.0	0	2300.0	0	0	0	0
GR	328.0	180.8	328.0	185.1	328.0	185.1	326.0	192.2	326.0	192.2
GR	324.0	205.3	322.0	220.2	322.0	224.7	320.0	234.1	318.0	251.7
GR	316.0	282.5	314.0	309.3	312.0	454.2	316.0	680.0	310.0	730.0
GR	318.0	765.0	318.0	968.3	316.0	988.7	314.0	1009.1	312.0	1023.2
GR	310.0	1060.0	310.0	1115.0	312.0	1300.0	316.0	1477.9	314.0	1512.5
GR	314.0	1669.5	316.0	1785.6	316.0	1960.5	316.0	2203.0	316.0	2220.5
GR	318.0	2265.2	320.0	2274.9	322.0	2286.6	324.0	2288.4	326.0	2292.2
GR	326.0	2358.1	324.0	2396.8	324.0	2423.1	324.0	2449.8	324.0	2697.0
GR	326.0	2905.0	328.0	3290.0	330.0	3865.0				
QT	3	4500	16000	36000						
NC	0.06	0.06	0.085							
X1	330	53.0	1760.0	1917.0	870.0	700.0	780.0			
X3	0	0	0	1280.0	0	2300.0	0	0	0	0
GR	328.0	105.6	326.0	212.4	326.0	248.3	328.0	289.1	328.0	289.1
GR	328.0	336.2	328.0	336.2	326.0	339.6	324.0	358.2	322.0	490.2
GR	320.0	585.0	318.0	622.0	316.0	629.0	314.0	636.0	312.0	640.0
GR	312.0	679.0	314.0	682.1	316.0	686.2	318.0	689.7	320.0	693.1
GR	322.0	699.6	324.0	990.1	326.0	1003.5	328.0	1176.8	330.0	1185.3
GR	330.0	1278.5	328.0	1292.7	326.0	1316.0	324.0	1326.0	322.0	1332.0
GR	320.0	1340.0	318.0	1347.0	316.0	1352.0	314.0	1393.0	314.0	1760.0
GR	312.0	1770.0	312.0	1910.0	314.0	1917.0	316.0	1925.3	316.0	1929.3
GR	314.0	2113.3	316.0	2239.8	318.0	2264.8	320.0	2271.8	322.0	2278.2
GR	324.0	2283.0	326.0	2310.9	328.0	2319.4	330.0	2480.0	328.0	2492.6
GR	328.0	2590.5	330.0	2632.1	332.0	2667.4				
NC	0.06	0.06	0.085							
X1	340	58.0	1410.0	1843.2	520.0	505.0	505.0			
X3	10	0	0	1200.0	0	2180.0	0	0	0	0
GR	326.0	129.4	326.0	194.9	324.0	207.9	322.0	368.5	320.0	374.7
GR	318.0	387.3	316.0	393.1	320.0	454.2	322.0	461.0	324.0	466.8
GR	326.0	493.4	326.0	583.0	326.0	668.9	326.0	685.7	326.0	728.0
GR	326.0	794.9	326.0	831.2	326.0	1049.6	326.0	1089.2	328.0	1122.7
GR	328.0	1171.1	326.0	1192.0	324.0	1221.3	322.0	1226.0	320.0	1233.0
GR	318.0	1245.0	316.0	1250.0	316.0	1391.0	318.0	1399.0	320.0	1410.0
GR	318.0	1433.0	316.0	1440.0	314.0	1450.0	312.0	1513.0	310.0	1528.0
GR	310.0	1548.0	310.0	1670.0	312.0	1690.0	314.0	1695.0	316.0	1705.0
GR	318.0	1843.2	318.0	1890.7	316.0	1903.5	314.0	1909.3	316.0	2190.0
GR	318.0	2199.2	320.0	2211.0	322.0	2219.6	324.0	2228.2	328.0	2260.3
GR	326.0	2261.5	330.0	2307.8	332.0	2363.1	332.0	2452.5	332.0	2466.5

GR	332.0	2507.3	332.0	2524.9	334.0	2579.9				
NC	0.06	0.06	0.085							
X1	345	71.0	1509.8	1995.5	320.0	250.0	280.0			
X3	10	0	0	1210.0	0	2270.0	0	0	0	0
GR	328.0	121.6	328.0	195.4	328.0	197.1	328.0	205.9	326.0	217.1
GR	324.0	302.0	324.0	332.2	326.0	361.0	326.0	372.0	324.0	378.0
GR	322.0	383.8	320.0	391.6	320.0	438.3	322.0	442.1	324.0	445.2
GR	326.0	446.6	328.0	453.5	328.0	582.7	328.0	587.1	328.0	619.2
GR	328.0	630.9	328.0	855.7	326.0	989.7	326.0	1086.9	326.0	1148.5
GR	324.0	1188.9	322.0	1212.2	320.0	1312.0	318.0	1318.0	316.0	1330.0
GR	316.0	1445.0	318.0	1452.0	320.0	1490.1	322.0	1497.6	322.0	1509.8
GR	320.0	1515.6	316.0	1530.7	314.0	1582.0	314.0	1668.0	312.0	1783.0
GR	312.0	1834.0	314.0	1841.0	316.0	1851.0	318.0	1860.0	318.0	1934.1
GR	318.0	1966.8	320.0	1976.4	322.0	1986.7	324.0	1995.5	324.0	2065.9
GR	322.0	2086.6	320.0	2101.4	318.0	2107.1	316.0	2111.7	318.0	2265.9
GR	320.0	2279.5	320.0	2339.1	318.0	2355.0	318.0	2362.5	320.0	2373.9
GR	322.0	2384.1	324.0	2391.7	326.0	2422.8	328.0	2436.8	330.0	2448.2
GR	332.0	2567.8	332.0	2583.1	332.0	2692.6	334.0	2726.2	336.0	2767.6
GR	338.0	2808.6								
NC	0.06	0.06	0.085	0.3	0.5					
X1	355	44.0	1731.4	2253.8	275.0	295.0	285.0			
X3	10	0	0	1370.0	0	2370.0	0	0	0	0
GR	326.0	132.4	324.0	151.4	322.0	174.5	328.0	407.0	330.0	527.2
GR	330.0	673.5	328.0	955.5	326.0	1275.4	324.0	1336.9	322.0	1491.7
GR	320.0	1530.6	320.0	1695.0	322.0	1702.4	322.0	1731.4	320.0	1735.2
GR	318.0	1738.1	316.0	1830.0	316.0	2035.0	314.0	2044.0	314.0	2075.0
GR	316.0	2088.0	318.0	2121.1	318.0	2175.9	318.0	2233.6	320.0	2240.9
GR	322.0	2253.8	322.0	2286.8	320.0	2302.5	318.0	2305.5	318.0	2416.9
GR	320.0	2429.4	322.0	2486.5	322.0	2527.9	320.0	2572.0	320.0	2633.9
GR	322.0	2656.8	324.0	2681.1	326.0	2773.1	328.0	2858.1	330.0	2956.9
GR	330.0	2974.1	332.0	2988.9	334.0	3095.7	334.0	3105.5		
NC	0.06	0.06	0.085							
X1	356	52.0	1836.0	2258.2	250.0	250.0	250.0			
X3	10	0	0	1340.0	0	2290.0	0	0	0	0
GR	330.0	270.0	328.0	521.0	326.0	767.7	326.0	773.5	326.0	795.9
GR	326.0	805.9	326.0	961.7	324.0	1053.5	324.0	1110.4	324.0	1123.6
GR	324.0	1496.7	326.0	1678.4	326.0	1787.6	324.0	1794.7	322.0	1813.4
GR	320.0	1822.3	318.0	1829.3	316.0	1836.0	316.0	1864.3	317.0	1871.3
GR	318.0	1906.3	318.0	1913.3	318.0	1946.8	318.0	1956.8	318.0	1990.3
GR	318.0	1997.3	318.0	2032.3	318.0	2039.3	318.0	2074.3	318.0	2081.3
GR	316.0	2110.0	318.0	2114.8	318.0	2121.0	318.0	2124.8	318.0	2158.3
GR	318.0	2165.3	318.0	2200.3	318.0	2207.3	318.0	2242.3	319.0	2249.3
GR	320.0	2258.2	322.0	2267.5	324.0	2277.0	326.0	2278.4	328.0	2284.1
GR	328.0	2342.9	326.0	2455.2	326.0	2673.1	328.0	2756.9	330.0	2870.0
GR	332.0	3004.7	334.0	3069.9						

NC	0.06	0.03	0.04							
SB	0.9	1.6	2.75	0	450.0	77.0	3112.0	2	318.0	318.0
ET		6.11	0	6.11		1340.0	2300.0			
	CARLTON HILLS BLVD BRIDGE			(SPECIAL BRIDGE ROUTINE)						
X1	358	45	1850.0	2278.4	65.0	65.0	65.0			
X2	0	0	1	326.0	324.0	0	0	0	0	0
X3	10	0	0	0	0	0	0	0	0	0
BT	-15	430.0	328.0	328.0	780.0	326.0	326.0	1090.0	324.0	324.0
BT		1496.7	324.0	324.0	1678.4	327.0	326.0	1787.6	328.9	326.0
BT		2278.4	329.0	326.0	2284.1	328.9	328.0	2342.9	328.0	328.0
BT		2490.0	326.0	326.0	2640.1	326.0	326.0	2756.9	328.0	328.0
BT		2870.0	330.0	330.0	3030.0	332.0	332.0	3110.0	334.0	334.0
GR	328.0	430.0	326.0	780.0	324.0	1090.0	324.0	1496.7	326.0	1678.4
GR	326.0	1787.6	324.0	1794.7	322.0	1813.4	320.0	1822.3	318.0	1829.3
GR	316.0	1850.0	316.0	1864.3	317.0	1871.3	317.0	1906.3	318.0	1913.3
GR	318.0	1946.8	318.0	1956.8	318.0	1990.3	318.0	1997.3	318.0	2032.3
GR	318.0	2039.3	318.0	2074.3	318.0	2081.3	316.0	2110.0	318.0	2114.8
GR	318.0	2121.0	318.0	2124.8	318.0	2158.3	318.0	2165.3	318.0	2200.3
GR	318.0	2207.3	318.0	2242.3	319.0	2249.3	320.0	2258.2	322.0	2267.5
GR	324.0	2277.0	326.0	2278.4	328.0	2284.1	328.0	2342.9	326.0	2490.0
GR	326.0	2640.0	328.0	2756.9	330.0	2870.0	332.0	3030.0	334.0	3110.0
NC	0.06	0.085	0.085							
X1	360	35.0	2187.0	2382.9	335.0	355.0	345.0			
X3	0	0	0	1530.0	0	2600.0	0	0	0	0
GR	330.0	275.8	328.0	424.1	326.0	1248.3	326.0	1356.6	326.0	1544.0
GR	324.0	1558.2	322.0	1570.1	320.0	1575.0	318.0	1879.0	318.0	1920.0
GR	316.0	1933.3	316.0	2012.0	320.0	2112.8	320.0	2187.0	318.0	2200.0
GR	318.0	2356.8	320.0	2382.9	322.0	2395.5	324.0	2406.1	326.0	2412.3
GR	328.0	2438.3	328.0	2460.9	326.0	2525.5	324.0	2540.0	322.0	2549.1
GR	322.0	2624.0	324.0	2726.5	326.0	2779.5	328.0	2795.5	330.0	2805.8
GR	332.0	2819.3	334.0	2827.7	336.0	2891.8	338.0	3130.9	340.0	3190.3
NC	0.06	0.085	0.085	0.1	0.3					
X1	370	44.0	2234.1	2326.4	345.0	350.0	345.0			
X3	10	0	0	1470.0	0	2820.0	0	0	0	0
GR	330.0	149.4	328.0	349.9	328.0	355.0	328.0	360.9	328.0	514.3
GR	328.0	816.5	326.0	846.9	324.0	870.6	322.0	913.9	322.0	984.9
GR	324.0	1004.3	326.0	1014.1	326.0	1049.3	326.0	1077.6	326.0	1245.4
GR	326.0	1248.2	326.0	1279.9	326.0	1282.3	326.0	1388.8	324.0	1421.2
GR	320.0	1541.9	320.0	1573.2	320.0	1590.2	318.0	1630.0	318.0	1725.0
GR	320.0	1835.0	320.0	2154.6	320.0	2203.7	320.0	2234.1	318.0	2243.0
GR	318.0	2313.0	320.0	2326.4	322.0	2340.6	322.0	2387.8	322.0	2642.0
GR	324.0	2740.0	326.0	2768.0	328.0	2805.0	330.0	2812.0	332.0	2821.0
GR	334.0	2889.0	336.0	3030.0	338.0	3135.0	340.0	3266.0		
NC	0.06	0.085	0.085							
X1	380	60	2380.9	2436.4	320.0	320.0	320.0			
X3	10	0	0	1540.0	0	2960.0	0	0	0	0
GR	335.0	0.0	334.0	95.0	332.0	395.4	330.0	414.4	330.0	476.9
GR	330.0	528.2	330.0	778.2	330.0	880.6	328.0	894.6	326.0	927.8
GR	324.0	975.1	324.0	1076.0	326.0	1107.4	328.0	1122.8	330.0	1165.2
GR	330.0	1214.1	330.0	1487.9	330.0	1533.6	328.0	1545.8	326.0	1553.1

GR	324.0	1557.9	322.0	1566.1	320.0	1758.3	318.0	1764.9	318.0	1792.8
GR	320.0	1806.1	320.0	1859.6	320.0	1872.8	320.0	1931.1	320.0	1967.5
GR	322.0	2063.7	324.0	2067.2	326.0	2082.5	328.0	2095.9	328.0	2156.1
GR	326.0	2164.9	324.0	2175.2	322.0	2185.4	320.0	2198.5	320.0	2262.3
GR	320.0	2380.9	318.0	2387.6	318.0	2425.8	318.0	2426.4	318.0	2426.7
GR	320.0	2436.4	322.0	2457.0	322.0	2585.1	322.0	2817.3	324.0	2918.0
GR	326.0	2943.0	328.0	2954.1	330.0	2962.7	332.0	2970.9	334.0	3048.8
GR	334.0	3201.4	334.0	3225.7	334.0	3250.0	334.0	3273.6	342.0	3413.7
NC	0.06	0.085	0.085							
X1	390	45.0	2250.0	2402.0	520.0	520.0	520.0			
X3	10	0	0	1680.0	0	2740	0	0	0	0
GR	336.0	100.0	336.0	273.0	336.0	510.0	336.0	800.0	334.0	810.0
GR	332.0	890.0	330.0	1000.0	332.0	1270.0	332.0	1540.0	330.0	1552.0
GR	328.0	1562.0	326.0	1590.0	324.0	1603.0	322.0	1661.0	322.0	1728.0
GR	322.0	1775.0	320.0	1781.0	318.0	1822.0	318.0	1859.0	320.0	1862.0
GR	322.0	1908.0	322.0	2195.0	324.0	2220.0	324.0	2250.0	322.0	2315.0
GR	320.0	2327.0	318.0	2337.0	318.0	2380.0	320.0	2389.0	322.0	2396.0
GR	324.0	2402.0	324.0	2780.0	322.0	2795.0	322.0	2982.0	324.0	3008.0
GR	326.0	3019.0	328.0	3025.0	330.0	3035.0	332.0	3042.0	334.0	3049.0
GR	336.0	3060.0	338.0	3110.0	336.0	3278.0	336.0	3480.0	340.0	3490.0
NC	0.04	0.04	0.075							
	DOWNSTREAM END MISSION CREEK DEVELOPMENT									
X1	400	41	1877.6	2531.6	705.0	495.0	540.0			
X3	10	0	0	1749	0	2605.0	0	0	0	0
GR	338.0	0.0	336.0	236.4	334.0	957.0	332.0	972.3	332.0	1180.4
GR	332.0	1508.0	330.0	1641.2	328.0	1671.9	326.0	1712.6	324.0	1759.2
GR	324.0	1792.6	326.0	1801.2	328.0	1806.5	328.0	1836.3	326.0	1845.9
GR	324.0	1857.9	322.0	1870.4	320.0	1877.6	318.0	1888.9	318.0	2400.6
GR	320.0	2531.6	322.0	2547.9	324.0	2556.9	326.0	2565.0	328.0	2575.5
GR	330.0	2587.7	333.0	2630.0	331.0	2680.0	333.0	2820.0	325.0	2925.0
GR	324.0	3153.7	326.0	3185.0	328.0	3195.3	330.0	3323.2	332.0	3352.4
GR	334.0	3366.1	336.0	3386.9	338.0	3409.9	340.0	3428.3	342.0	3444.8
GR	344.0	3506.3								
NH	4	0.125	2329.0	0.04	3065.3	0.065	3645.9	0.04	5376.7	
X1	410	46	3065.3	3645.9	672.0	726.0	700.0			
X3	10	0	0	2970.0	0	3720.0	0	0	0	0
GR	340.0	930.0	338.0	1205.0	336.0	1335.0	336.0	1760.0	336.0	2329.0
GR	336.0	2523.4	336.0	2540.8	334.0	2618.2	332.0	2807.8	332.0	2898.9
GR	332.0	2943.8	330.0	3015.9	328.0	3024.1	326.0	3034.7	324.0	3043.6
GR	322.0	3053.5	320.0	3065.3	318.0	3081.7	318.0	3558.9	320.0	3645.9
GR	322.0	3656.9	324.0	3667.7	326.0	3675.2	328.0	3684.9	330.0	3699.4
GR	332.0	3715.9	333.0	3755.0	334.0	3860.0	333.0	4020.0	333.0	4120.0
GR	334.0	4170.0	335.0	4230.0	333.0	4300.0	336.0	4380.0	335.0	4510.0
GR	333.0	4760.0	334.0	4840.0	333.0	4900.0	337.0	5000.0	337.0	5080.0
GR	336.0	5120.0	337.0	5170.0	338.0	5260.0	338.0	5269.2	340.0	5281.8
GR	340.0	5376.7								

NH	4	0.125	2616.7	0.04	3252.3	0.065	3865.0	0.04	5263.5	
X1	415	40	3252.3	3865.0	765.0	800.0	780.0			
X3	10	0	0	3180.0	0	3945.0	0	0	0	0
GR	340.0	940.0	338.0	1132.0	338.0	1245.0	336.0	1772.0	336.0	2616.7
GR	338.0	2647.1	338.0	2816.3	336.0	2850.7	334.0	2899.9	332.0	3198.5
GR	330.0	3207.0	328.0	3214.0	326.0	3221.8	324.0	3232.7	322.0	3244.9
GR	320.0	3252.3	318.0	3270.4	318.0	3533.8	320.0	3538.4	320.0	3567.0
GR	318.0	3578.2	318.0	3739.3	320.0	3865.0	322.0	3882.3	324.0	3895.0
GR	326.0	3908.4	328.0	3915.9	330.0	3937.1	332.0	3945.0	331.0	4320.0
GR	335.0	4330.0	334.0	4435.0	334.0	4575.0	335.0	4715.0	333.0	4930.0
GR	344.0	5080.0	334.0	5130.0	338.0	5161.0	340.0	5183.8	340.0	5263.5
NH	4	0.125	2200.0	0.04	3467.1	0.075	3988.9	0.04	5306.6	
X1	420	54	3467.1	3988.9	480.0	480.0	480.0			
X3	10	0	0	3380.0	0	4065.0	0	0	0	0
GR	340.0	1100.0	338.0	1210.0	338.0	1695.0	338.0	2200.0	338.0	2595.0
GR	340.0	2628.1	342.0	2709.7	342.0	2717.4	340.0	2781.4	338.0	2791.8
GR	336.0	2796.5	336.0	3236.7	338.0	3240.6	340.0	3248.5	342.0	3378.9
GR	342.0	3387.0	340.0	3392.3	338.0	3397.4	336.0	3401.5	334.0	3407.4
GR	332.0	3414.4	330.0	3420.1	328.0	3428.7	326.0	3435.2	324.0	3445.0
GR	322.0	3454.6	320.0	3467.1	318.0	3492.9	318.0	3634.8	320.0	3642.3
GR	322.0	3651.5	322.0	3741.8	320.0	3758.6	318.0	3766.4	318.0	3891.7
GR	320.0	3988.9	322.0	4008.9	324.0	4018.8	326.0	4031.9	328.0	4038.0
GR	330.0	4049.3	332.0	4057.5	333.0	4075.0	334.0	4205.0	334.0	4285
GR	334.0	4340.0	334.0	4445.0	335.0	4610.0	335.0	4720.0	335.0	4880.0
GR	336.0	5005.0	336.0	5075.0	340.0	5090.0	342.0	5306.6		
NC	0.04	0.04	0.05							
X1	421	63.0	2650.0	3049.1	375.0	375.0	375.0			
X3	10	0	0	0	0	0	0	0	0	0
GR	340.0	302.7	340.0	591.8	340.0	719.1	340.0	1070.0	340.0	1093.6
GR	340.0	1099.7	340.0	1139.2	340.0	1478.6	340.0	1590.3	340.0	1920.7
GR	342.0	2207.1	344.0	2445.7	344.0	2588.2	342.0	2593.0	340.0	2600.3
GR	338.0	2606.1	336.0	2609.4	334.0	2614.9	332.0	2617.7	330.0	2624.7
GR	328.0	2627.8	326.0	2640.4	325.0	2650.0	325.0	2666.7	324.0	2680.6
GR	324.0	2701.7	324.0	2708.7	324.0	2742.2	324.0	2752.2	324.0	2785.7
GR	324.0	2792.7	324.0	2827.7	324.0	2834.7	324.0	2869.7	324.0	2876.7
GR	324.0	2910.2	324.0	2920.2	324.0	2953.7	324.0	2960.7	324.0	2995.7
GR	324.0	3002.7	324.0	3024.8	325.0	3037.7	326.0	3044.7	328.0	3049.1
GR	330.0	3052.6	332.0	3056.2	334.0	3058.6	336.0	3062.2	338.0	3073.0
GR	340.0	3081.4	342.0	3085.6	344.0	3153.8	344.0	3220.9	342.0	3349.9
GR	340.0	3643.4	339.0	3825.0	339.0	3866.7	340.0	4418.3	342.0	4554.5
GR	344.0	4615.8	346.0	4685.8	348.0	4726.0				
NC	0.04	0.04	0.03	0.3	0.5					
	CUYAMACA BRIDGE - UPSTREAM END MISSION CREEK DEVELOPMENT									
	(NORMAL BRIDGE ROUTINE)									
X1	422	56	2645.0	3044.7	10.0	10.0	10.0			
X3	10	0	0	0	0	0	0	0	0	0
BT	-53	2445.7	344.0	344.0	2588.2	344.9	344.0	2593.0	345.0	342.0
BT		2600.3	345.0	342.0	2617.7	345.0	342.0	2617.7	345.0	332.0
BT		2624.7	345.0	330.0	2624.7	345.0	342.0	2659.7	345.0	342.0
BT		2659.7	345.0	325.0	2666.7	345.0	325.0	2666.7	345.0	342.0

BT		2701.7	345.0	342.0	2701.7	345.0	324.0	2708.7	345.0	324.0
BT		2708.7	345.0	342.0	2742.2	345.0	342.0	2742.2	345.0	324.0
BT		2752.2	345.0	324.0	2752.2	345.0	342.0	2785.7	345.0	342.0
BT		2785.7	345.0	324.0	2792.7	345.0	324.0	2792.7	345.0	342.0
BT		2827.7	345.0	342.0	2827.7	345.0	324.0	2834.7	345.0	324.0
BT		2834.7	345.0	342.0	2869.7	345.0	342.0	2869.7	345.0	324.0
BT		2876.7	345.0	324.0	2876.7	345.0	342.0	2910.2	345.0	342.0
BT		2910.2	345.0	324.0	2920.2	345.0	324.0	2920.2	345.0	342.0
BT		2953.7	345.0	342.0	2953.7	345.0	324.0	2960.7	345.0	324.0
BT		2960.7	345.0	342.0	2995.7	345.0	342.0	2995.7	345.0	324.0
BT		3002.7	345.0	324.0	3002.7	345.0	342.0	3037.7	345.0	342.0
BT		3037.7	345.0	325.0	3044.7	345.0	326.0	3044.7	345.0	342.0
BT		3073.0	345.0	342.0	3081.4	344.9	342.0	3085.6	344.9	342.0
BT		3153.8	344.5	344.0	3220.9	344.0	344.0			
GR	340.0	0.0	340.0	1995.0	342.0	2250.0	344.0	2445.7	344.0	2588.2
GR	342.0	2593.0	340.0	2600.3	338.0	2606.1	336.0	2609.4	334.0	2614.9
GR	332.0	2617.7	330.0	2624.7	328.0	2627.8	326.0	2645.0	325.0	2659.7
GR	325.0	2666.7	324.0	2680.6	324.0	2701.7	324.0	2708.7	324.0	2742.2
GR	324.0	2752.2	324.0	2785.7	324.0	2792.7	324.0	2827.7	324.0	2834.7
GR	324.0	2869.7	324.0	2876.7	324.0	2910.2	324.0	2920.2	324.0	2953.7
GR	324.0	2960.7	324.0	2995.7	324.0	3002.7	324.0	3024.8	325.0	3037.7
GR	326.0	3044.7	328.0	3049.1	330.0	3052.6	332.0	3056.2	334.0	3058.6
GR	336.0	3062.2	338.0	3073.0	340.0	3081.4	342.0	3085.6	344.0	3153.8
GR	344.0	3220.9	342.0	3349.9	340.0	3650.0	339.0	4000.0	340.0	4200.0
GR	342.0	4440.0	344.0	4600.0	346.0	4675.0	348.0	4726.0	350.0	4765.0
GR	360.0	4940.0								
NC	0.04	0.04	0.03							
X1	423	61	4645.0	5044.7	65.0	65.0	65.0			
X3	10	0	0	0	0	0	0	0	0	0
BT	-53	4445.7	344.0	344.0	4588.2	344.9	344.0	4593.0	345.0	342.0
BT		4600.3	345.0	342.0	4617.7	345.0	342.0	4617.7	345.0	332.0
BT		4624.7	345.0	330.0	4624.7	345.0	342.0	4659.7	345.0	342.0
BT		4659.7	345.0	325.0	4666.7	345.0	325.0	4666.7	345.0	342.0
BT		4701.7	345.0	342.0	4701.7	345.0	324.0	4708.7	345.0	324.0
BT		4708.7	345.0	342.0	4742.2	345.0	342.0	4742.2	345.0	324.0
BT		4752.2	345.0	324.0	4752.2	345.0	342.0	4785.7	345.0	342.0
BT		4785.7	345.0	324.0	4792.7	345.0	324.0	4792.7	345.0	342.0
BT		4827.7	345.0	342.0	4827.7	345.0	324.0	4834.7	345.0	324.0
BT		4834.7	345.0	342.0	4869.7	345.0	342.0	4869.7	345.0	324.0
BT		4876.7	345.0	324.0	4876.7	345.0	342.0	4910.2	345.0	342.0
BT		4910.2	345.0	324.0	4920.2	345.0	324.0	4920.2	345.0	342.0
BT		4953.7	345.0	342.0	4953.7	345.0	324.0	4960.7	345.0	324.0
BT		4960.7	345.0	342.0	4995.7	345.0	342.0	4995.7	345.0	324.0
BT		5002.7	345.0	324.0	5002.7	345.0	342.0	5037.7	345.0	342.0
BT		5037.7	345.0	325.0	5044.7	345.0	326.0	5044.7	345.0	342.0
BT		5073.0	345.0	342.0	5081.4	344.9	342.0	5085.6	344.9	342.0
BT		5153.8	344.5	344.0	5220.9	344.0	344.0			
GR	350.0	600.0	348.0	780.0	346.0	1090.0	344.0	1300.0	342.0	1545.0
GR	340.0	1790.0	340.0	3995.0	342.0	4250.0	344.0	4445.7	344.0	4588.2
GR	342.0	4593.0	340.0	4600.3	338.0	4606.1	336.0	4609.4	334.0	4614.9
GR	332.0	4617.7	330.0	4624.7	328.0	4627.8	326.0	4645.0	325.0	4659.7
GR	325.0	4666.7	324.0	4680.6	324.0	4701.7	324.0	4708.7	324.0	4742.2
GR	324.0	4752.2	324.0	4785.7	324.0	4792.7	324.0	4827.7	324.0	4834.7

GR	324.0	4869.7	324.0	4876.7	324.0	4910.2	324.0	4920.2	324.0	4953.7
GR	324.0	4960.7	324.0	4995.7	324.0	5002.7	324.0	5024.8	325.0	5037.7
GR	326.0	5044.7	328.0	5049.1	330.0	5052.6	332.0	5056.2	334.0	5058.6
GR	336.0	5062.2	338.0	5073.0	340.0	5081.4	342.0	5085.6	344.0	5153.8
GR	344.0	5220.9	342.0	5349.9	340.0	5650.0	339.0	6000.0	340.0	6200.0
GR	342.0	6440.0	344.0	6600.0	346.0	6675.0	348.0	6726.0	350.0	6765.0
GR	360.0	6940.0								
NH	4	0.125	2035.0	0.04	4613.8	0.05	5104.2	0.04	6952.0	
X1	424	69	4658.9	5055.0	10.0	10.0	10.0			
X3	10	0	0	0	0	0	0	0	0	0
GR	350.0	580.0	348.0	750.0	348.0	1080.0	346.0	1150.0	346.0	1370.0
GR	344.0	1575.0	342.0	1580.0	342.0	1800.0	340.0	2035.0	340.0	2132.2
GR	340.0	2145.0	340.0	2380.5	340.0	3990.8	342.0	4119.1	344.0	4360.6
GR	344.0	4609.4	342.0	4613.8	340.0	4620.1	338.0	4624.0	336.0	4628.1
GR	334.0	4631.9	332.0	4638.5	331.0	4643.2	329.0	4650.2	328.0	4654.6
GR	326.0	4658.9	326.0	4685.2	326.0	4692.2	326.0	4727.2	326.0	4734.2
GR	326.0	4767.7	326.0	4777.7	326.0	4811.2	326.0	4818.2	326.0	4853.2
GR	326.0	4860.2	326.0	4895.2	326.0	4902.2	326.0	4935.7	326.0	4945.7
GR	326.0	4979.2	326.0	4986.2	326.0	5021.2	326.0	5028.2	326.0	5055.0
GR	327.0	5063.2	328.0	5070.2	330.0	5075.7	332.0	5080.9	334.0	5082.8
GR	336.0	5089.5	338.0	5094.7	340.0	5097.0	342.0	5104.2	344.0	5110.0
GR	344.0	5259.8	342.0	5451.8	340.0	5618.0	340.0	5725.4	339.0	5804.5
GR	339.0	5968.7	340.0	6027.7	340.0	6173.6	342.0	6449.1	344.0	6595.1
GR	346.0	6870.0	348.0	6910.0	350.0	6930.0	358.0	6952.0		
NH	4	0.125	2041.0	0.045	4805.9	0.075	5113.2	0.045	6961.0	
X1	425	39	4805.9	5113.2	285.0	215.0	225.0			
X3	10	0	0	4365.0	0	5400.0	0	0	0	0
GR	350.0	1185.0	348.0	1262.0	346.0	1390.0	344.0	1890.0	342.0	2041.0
GR	340.0	2142.0	338.0	2150.0	335.9	3406.5	334.0	3428.9	334.0	3510.7
GR	335.9	3568.7	338.0	3680.0	338.0	4166.4	338.0	4189.8	338.0	4366.3
GR	336.0	4371.5	334.0	4381.6	332.0	4456.4	330.0	4626.7	328.0	4805.9
GR	326.0	4838.8	326.0	4902.3	326.0	4999.7	326.0	5043.9	328.0	5113.2
GR	330.0	5344.6	332.0	5451.5	334.0	5583.1	334.0	5617.4	334.0	5729.9
GR	336.0	6044.3	338.0	6089.0	340.0	6181.4	342.0	6428.1	344.0	6890.0
GR	346.0	6935.0	348.0	6942.0	350.0	6948.0	356.0	6961.0		
NC	0	0	0	0.1	0.3					
NH	4	0.125	2555.0	0.045	5520.6	0.075	5704.9	0.045	7548.0	
X1	430	37	5520.6	5704.9	495.0	465.0	470.0			
X3	0	0	0	4540.0	0	6000.0	0	0	0	0
GR	350.0	1340.0	346.0	1807.0	346.0	2122.0	344.0	2253.0	344.0	2412.0
GR	342.0	2555.0	340.0	2657.0	338.0	3921.0	336.0	3959.0	336.0	4058.5
GR	336.0	4473.2	336.0	4516.0	338.0	4556.7	338.0	4811.0	336.0	4905.8
GR	336.0	5036.3	336.0	5322.7	334.0	5369.8	332.0	5505.1	330.0	5511.1
GR	328.0	5520.6	326.0	5536.0	326.0	5665.0	328.0	5704.9	330.0	5717.6
GR	330.0	5849.9	330.0	6295.6	332.0	6315.9	334.0	6349.1	336.0	6378.4
GR	338.0	6557.5	340.0	6787.6	342.0	7019.6	344.0	7440.0	346.0	7530.0
GR	348.0	7540.0	350.0	7548.0						

QT	3.0	3800	15000	34000						
NH	4	0.125	2030.0	0.045	5118.7	0.075	5291.8	0.045	6650.0	
X1	440	52	5118.7	5291.8	535.0	550.0	545.0			
X3	0	0	0	4030.0	0	5540.0	0	0	0	0
GR	350.0	1080.0	346.0	1445.0	348.0	1459.0	348.0	1550.0	346.0	1675.0
GR	344.0	2030.0	342.0	2150.0	340.0	3430.3	338.0	3456.9	336.0	3631.7
GR	336.0	3663.2	338.0	3687.3	340.0	3714.2	340.0	4208.8	338.0	4388.9
GR	338.0	4524.7	338.0	4718.6	336.0	4725.0	330.0	5052.0	330.0	5084.9
GR	334.0	5107.3	332.0	5113.6	330.0	5118.7	328.0	5127.5	328.0	5264.0
GR	330.0	5291.8	332.0	5305.1	334.0	5311.0	336.0	5334.8	336.0	5369.0
GR	336.0	5422.4	338.0	5442.9	340.0	5522.5	340.0	5563.3	338.0	5749.0
GR	338.0	5763.4	338.0	5848.7	338.0	5939.2	338.0	6011.5	336.0	6039.2
GR	334.0	6050.3	332.0	6058.1	332.0	6066.5	334.0	6091.4	336.0	6112.2
GR	338.0	6120.5	340.0	6132.0	342.0	6409.4	344.0	6585.0	346.0	6618.2
GR	348.0	6637.6	350.0	6650.0						
NH	4	0.125	2072.0	0.055	4864.8	0.03	5377.9	0.055	6949.6	
X1	450	49	4864.8	5377.9	575.0	545.0	530.0			
X3	0	0	0	4030.0	0	5500.0	0	0	0	0
GR	350.0	1240.0	348.0	1440.0	350.0	1520.0	338.0	1585.0	338.0	1743.0
GR	336.0	1937.0	344.0	2072.0	344.0	2130.0	344.0	2155.0	342.0	2165.0
GR	342.0	2872.7	342.0	3360.1	340.0	3445.5	340.0	3579.3	340.0	3711.6
GR	338.0	3740.8	336.0	3747.9	336.0	3753.9	338.0	3789.5	340.0	3843.7
GR	342.0	4093.9	342.0	4177.2	340.0	4218.7	338.0	4487.1	336.0	4498.4
GR	334.0	4510.9	332.0	4641.3	332.0	4651.7	334.0	4820.3	336.0	4836.0
GR	336.0	4854.3	334.0	4857.6	332.0	4862.0	330.0	4864.8	328.0	4871.7
GR	328.0	5369.9	330.0	5377.9	340.0	5397.3	340.0	5957.7	340.0	6045.4
GR	342.0	6101.1	342.0	6215.9	340.0	6230.0	340.0	6278.0	342.0	6293.1
GR	344.0	6493.9	346.0	6760.6	348.0	6921.3	350.0	6949.6		
NH	4	0.125	2055.0	0.055	4626.2	0.03	5331.2	0.055	6792.0	
X1	460	43	4626.2	5331.2	480.0	425.0	440.0			
X3	0	0	0	4025.0	0	5600.0	0	0	0	0
GR	350.0	1220.0	346.0	1470.0	344.0	1860.0	346.0	2055.0	346.0	2132.0
GR	346.0	2162.0	344.0	2208.0	342.0	3091.2	342.0	3321.4	344.0	3345.9
GR	344.0	3411.5	342.0	3819.8	340.0	3824.7	340.0	3844.0	342.0	3912.4
GR	342.0	3979.8	340.0	4198.8	338.0	4226.4	336.0	4313.8	336.0	4582.0
GR	336.0	4610.6	334.0	4617.1	332.0	4620.2	330.0	4626.2	328.0	4630.1
GR	328.0	5252.6	330.0	5331.2	340.0	5356.8	340.0	5383.4	340.0	5476.7
GR	342.0	5845.6	342.0	5959.6	342.0	6188.7	344.0	6197.4	346.0	6296.4
GR	346.0	6376.8	344.0	6385.2	342.0	6399.7	342.0	6575.7	344.0	6587.7
GR	346.0	6645.3	348.0	6750.0	350.0	6792.0				
NH	6	0.125	1790.0	0.045	2590.0	0.100	3579.6	0.045	5002.1	0.07
NH	5145.9	0.045	6460.0							
X1	470	64	5002.1	5145.9	790.0	430.0	480.0			
X3	0	0	0	3700.0	0	5250.0	0	0	0	0
GR	350.0	600.0	346.0	1245.0	348.0	1323.0	348.0	1790.0	348.0	1885.0
GR	346.0	1892.0	346.0	2590.0	346.0	3020.0	346.0	3483.5	346.0	3520.4
GR	346.0	3579.6	344.0	3685.9	342.0	3709.5	340.0	3715.3	338.0	3720.0
GR	338.0	3725.9	340.0	3732.2	340.0	3847.1	338.0	4279.4	336.0	4285.0
GR	334.0	4293.9	332.0	4306.5	332.0	4345.6	332.0	4372.4	330.0	4384.2
GR	330.0	4423.6	340.0	4459.4	342.0	4471.1	342.0	4556.9	340.0	4613.1

GR	338.0	4618.3	336.0	4624.9	334.0	4632.7	334.0	4698.0	336.0	4706.4
GR	338.0	4729.0	338.0	4764.9	338.0	4837.2	338.0	4863.7	336.0	4874.6
GR	334.0	4887.4	332.0	4914.2	330.0	5002.1	328.0	5083.6	328.0	5130.1
GR	330.0	5145.9	340.0	5162.1	342.0	5168.9	344.0	5235.6	344.0	5596.5
GR	342.0	5821.0	342.0	5959.5	344.0	5994.9	346.0	6007.4	348.0	6035.5
GR	348.0	6205.0	346.0	6216.0	344.0	6220.0	342.0	6315.0	342.0	6386.0
GR	344.0	6405.0	346.0	6419.0	348.0	6435.0	350.0	6460.0		
NH	4	0.100	2619.8	0.045	3872.7	0.07	4124.9	0.045	5570.7	
X1	480	41	3872.7	4124.9	305.0	280.0	280.0			
X3	0	0	0	2870.0	0	4200.0	0	0	0	0
GR	356.0	1132.0	356.0	1228.0	354.0	1275.0	352.0	1286.0	352.0	1390.0
GR	350.0	1446.0	348.0	1450.0	346.0	1455.0	346.0	1467.0	348.0	1950.0
GR	348.0	2113.2	346.0	2545.0	344.0	2619.8	342.0	2664.9	342.0	2687.7
GR	342.0	2739.0	342.0	3361.5	344.0	3483.8	344.0	3688.0	342.0	3866.6
GR	340.0	3872.7	330.0	3894.3	330.0	4069.2	332.0	4095.4	334.0	4114.1
GR	336.0	4116.2	338.0	4120.0	340.0	4124.9	342.0	4132.6	344.0	4189.7
GR	344.0	4740.3	344.0	5007.8	346.0	5016.3	348.0	5024.5	348.0	5269.2
GR	346.0	5273.4	344.0	5277.1	344.0	5511.3	346.0	5541.5	348.0	5560.0
GR	350.0	5570.7								
NH	4	0.100	2502.0	0.045	3854.9	0.07	4098.1	0.045	5643.7	
X1	483	45	3854.9	4098.1	100.0	105.0	100.0			
X3	0	0	0	2900.0	0	4240.0	0	0	0	0
GR	356.0	1105.0	356.0	1280.0	354.0	1290.0	352.0	1430.0	350.0	1454.0
GR	348.0	1460.0	348.0	2105.1	346.0	2502.0	344.0	2612.0	342.0	2665.7
GR	342.0	2683.7	342.0	2769.5	342.0	3359.5	342.0	3379.8	342.0	3410.7
GR	344.0	3450.4	344.0	3816.5	342.0	3837.7	340.0	3854.9	330.0	3895.7
GR	330.0	4009.3	332.0	4079.9	334.0	4088.0	336.0	4091.9	338.0	4095.3
GR	340.0	4098.1	342.0	4103.2	342.0	4137.8	340.0	4141.5	340.0	4162.6
GR	342.0	4171.8	344.0	4215.5	344.0	4767.9	344.0	5026.4	346.0	5036.5
GR	348.0	5044.5	348.0	5286.1	346.0	5290.9	344.0	5396.7	344.0	5436.4
GR	344.0	5502.7	344.0	5543.5	346.0	5604.2	348.0	5621.7	350.0	5643.7
NC	0.045	0.045	0.07							
X1	484	26	3795.2	4061.4	110.0	160.0	115.0			
X3	10	0	0	2920.0	0	4190.0	0	0	0	0
GR	356.0	1100.0	356.0	1270.0	354.0	1315.0	352.0	1350.0	350.0	1373.0
GR	348.0	1419.0	346.0	1810.0	344.0	2690.0	342.0	2965.4	342.0	3369.7
GR	344.0	3472.5	344.0	3650.8	342.0	3795.2	340.0	3810.8	330.0	3835.1
GR	330.0	3898.3	332.0	3907.2	334.0	3912.9	336.0	3918.5	338.0	3980.9
GR	340.0	4017.8	342.0	4061.4	344.0	4422.3	346.0	4997.8	348.0	5278.5
GR	350.0	5330.8								
NC	0.045	0.045	0.07							
	CHUBB LANE CROSSING									
X1	485	20	3795.2	4061.4	10.0	10.0	10.0			
X3	10	0	0	2920.0	0	4180.0	0	0	0	0
GR	356.0	1100.0	356.0	1270.0	354.0	1315.0	352.0	1350.0	350.0	1373.0
GR	348.0	1419.0	346.0	1810.0	344.0	2690.0	342.0	2965.4	342.0	3369.7
GR	344.0	3472.5	344.0	3650.8	342.0	3795.2	340.0	3810.8	340.0	4017.8
GR	342.0	4061.4	344.0	4422.3	346.0	4997.8	348.0	5278.5	350.0	5330.8

NC	0.045	0.045	0.07							
X1	486	26	3795.2	4061.4	10.0	10.0	10.0			
X3	10	0	0	2920.0	0	4180.0	0	0	0	0
GR	356.0	1100.0	356.0	1270.0	354.0	1315.0	352.0	1350.0	350.0	1373.0
GR	348.0	1419.0	346.0	1810.0	344.0	2690.0	342.0	2965.4	342.0	3369.7
GR	344.0	3472.5	344.0	3650.8	342.0	3795.2	340.0	3810.8	330.0	3835.1
GR	330.0	3898.3	332.0	3907.2	334.0	3912.9	336.0	3918.5	338.0	3980.9
GR	340.0	4017.8	342.0	4061.4	344.0	4422.3	346.0	4997.8	348.0	5278.5
GR	350.0	5330.8								
NH	4	0.04	3797.7	0.07	3905.4	.075	4841.3	0.125	5380.0	
X1	490	36	3797.7	3905.4	175.0	175.0	175.0			
X3	0	0	0	3030.0	0	4120.0	0	0	0	0
GR	354.0	110.0	354.0	1280.0	352.0	1310.0	350.0	1330.0	348.0	1358.0
GR	346.0	1408.0	346.0	2451.7	342.0	3056.1	342.0	3463.8	342.0	3544.0
GR	342.0	3616.0	342.0	3686.6	340.0	3704.2	340.0	3748.6	340.0	3774.1
GR	338.0	3780.9	336.0	3797.7	334.0	3806.3	332.0	3814.2	330.0	3830.2
GR	330.0	3875.2	332.0	3892.7	334.0	3900.1	336.0	3905.4	338.0	3911.0
GR	340.0	3917.1	342.0	3924.4	342.0	4001.3	346.0	4712.1	348.0	4717.7
GR	348.0	4725.7	346.0	4737.3	346.0	4793.3	348.0	4841.3	350.0	4959.4
GR	352.0	5380.0								
QT	3.0	3500	14000	33000						
NH	5	0.085	2633.5	0.03	3766.7	0.04	4005.4	0.03	4739.8	0.125
NH	6165.0									
X1	500	44	3766.7	4005.4	495.0	525.0	510.0			
X3	0	0	0	3280.0	0	4190.0	0	0	0	0
GR	358.0	830.0	356.0	900.0	354.0	1045.0	352.0	1089.0	350.0	1175.0
GR	348.0	1242.0	348.0	2080.0	348.0	2633.5	346.0	2640.9	346.0	2735.0
GR	346.0	2810.0	344.0	3339.8	342.0	3695.5	338.0	3741.7	336.0	3751.7
GR	334.0	3766.7	332.0	3793.9	330.0	3843.9	330.0	3989.1	332.0	3998.5
GR	334.0	4005.4	336.0	4015.5	338.0	4023.5	340.0	4112.9	338.0	4126.6
GR	336.0	4139.9	336.0	4175.3	338.0	4185.5	340.0	4201.8	342.0	4395.8
GR	342.0	4399.9	346.0	4407.0	346.0	4469.5	346.0	4591.4	348.0	4594.7
GR	348.0	4599.1	348.0	4617.3	348.0	4625.8	348.0	4647.7	348.0	4679.9
GR	348.0	4739.8	350.0	4933.4	352.0	5300.0	354.0	6165.0		
NH	5	0.065	2393.3	0.03	3835.4	0.04	4360.7	0.03	4590.8	0.125
NH	6670.0									
X1	507	63	3860.7	4289.5	510.0	450.0	470.0			
X3	10	0	0	0	0	0	0	0	0	0
GR	360.0	960.0	358.0	1050.0	356.0	1095.0	354.0	1357.0	352.0	1435.0
GR	350.0	1590.0	348.0	1765.0	348.0	1800.0	350.0	2192.2	350.0	2393.3
GR	348.0	3070.0	348.0	3487.6	350.0	3675.1	352.0	3743.8	352.0	3835.4
GR	350.0	3839.8	348.0	3847.1	346.0	3853.6	344.0	3856.3	342.0	3860.7
GR	340.0	3865.6	339.0	3869.5	338.0	3876.5	336.0	3889.4	336.0	3911.5
GR	336.0	3918.5	336.0	3953.5	336.0	3960.5	336.0	3994.0	334.0	4004.0
GR	334.0	4037.5	334.0	4044.5	334.0	4079.5	334.0	4086.5	334.0	4121.5
GR	334.0	4128.5	334.0	4162.0	336.0	4172.0	336.0	4205.5	336.0	4212.5
GR	336.0	4226.3	337.0	4247.5	338.0	4252.3	339.0	4254.5	340.0	4259.3
GR	342.0	4267.2	342.0	4267.4	342.0	4289.5	342.0	4296.5	342.0	4304.1
GR	342.0	4322.4	346.0	4332.1	348.0	4339.3	350.0	4346.2	352.0	4360.7
GR	352.0	4419.1	350.0	4539.4	350.0	4590.8	352.0	5410.1	354.0	6320.0

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GR   356.0    6500.0    358.0    6600.0    360.0    6670.0

NC   0.04     0.04      0.03     0.3       0.5
     MAGNOLIA AVE BRIDGE  (NORMAL BRIDGE ROUTINE)
X1   508      58        3860.7   4289.5    10.0     10.0     10.0
X3   10       0         0        0         0        0        0        0        0        0
BT   -49      3743.8    352.0    352.0     3835.4   354.5    352.0    3869.5   355.0    352.0
BT            3869.5    355.0    339.0     3876.5   355.0    338.0    3876.5   355.0    352.0
BT            3911.5    355.0    352.0     3911.5   355.0    336.0    3918.5   355.0    336.0
BT            3918.5    355.0    352.0     3953.5   355.0    352.0    3953.5   355.0    336.0
BT            3960.5    355.0    336.0     3960.5   355.0    352.0    3994.0   355.0    352.0
BT            3994.0    355.0    336.0     4004.0   355.0    336.0    4004.0   355.0    352.0
BT            4037.5    355.0    352.0     4037.5   355.0    336.0    4044.5   355.0    336.0
BT            4044.5    355.0    352.0     4079.5   355.0    352.0    4079.5   355.0    336.0
BT            4086.5    355.0    336.0     4086.5   355.0    352.0    4121.5   355.0    352.0
BT            4121.5    355.0    336.0     4128.5   355.0    336.0    4128.5   355.0    352.0
BT            4162.0    355.0    352.0     4162.0   355.0    336.0    4172.0   355.0    336.0
BT            4172.0    355.0    352.0     4205.5   355.0    352.0    4205.5   355.0    336.0
BT            4212.5    355.0    336.0     4212.5   355.0    352.0    4247.5   355.0    352.0
BT            4247.5    355.0    337.0     4254.5   355.0    339.0    4254.5   355.0    352.0
BT            4289.5    355.0    352.0     4289.5   355.0    342.0    4296.5   355.0    342.0
BT            4296.5    355.0    352.0     4346.2   355.0    352.0    4360.7   354.0    352.0
BT            4450.0    352.0    352.0
GR   360.0    965.0     358.0    1085.0    356.0    1225.0   354.0    1345.0   352.0    1510.0
GR   350.0    2420.0    348.0    3070.0    348.0    3487.6   350.0    3675.1   352.0    3743.8
GR   352.0    3835.4    350.0    3839.8    348.0    3847.1   346.0    3853.6   344.0    3856.3
GR   342.0    3860.7    340.0    3865.6    339.0    3869.5   338.0    3876.5   336.0    3889.4
GR   336.0    3911.5    336.0    3918.5    336.0    3953.5   336.0    3960.5   336.0    3994.0
GR   334.0    4004.0    334.0    4037.5    334.0    4044.5   334.0    4079.5   334.0    4086.5
GR   334.0    4121.5    334.0    4128.5    334.0    4162.0   336.0    4172.0   336.0    4205.5
GR   336.0    4212.5    336.0    4226.3    337.0    4247.5   338.0    4252.3   339.0    4254.5
GR   340.0    4259.3    342.0    4267.2    342.0    4267.4   342.0    4289.5   342.0    4296.5
GR   342.0    4304.1    342.0    4322.4    346.0    4332.1   348.0    4339.3   350.0    4346.2
GR   352.0    4360.7    352.0    4450.0    352.0    5050.0   352.0    5450.0   354.0    6150.0
GR   356.0    6290.0    358.0    6680.0    360.0    6810.0

NC   0.04     0.04      0.03
X1   509      58        3889.4   4322.4    65.0     65.0     65.0
X3   10       0         0        0         0        0        0        0        0        0
BT   -49      3743.8    352.0    352.0     3835.4   354.5    352.0    3869.5   355.0    352.0
BT            3869.5    355.0    339.0     3876.5   355.0    338.0    3876.5   355.0    352.0
BT            3911.5    355.0    352.0     3911.5   355.0    336.0    3918.5   355.0    336.0
BT            3918.5    355.0    352.0     3953.5   355.0    352.0    3953.5   355.0    336.0
BT            3960.5    355.0    336.0     3960.5   355.0    352.0    3994.0   355.0    352.0
BT            3994.0    355.0    336.0     4004.0   355.0    336.0    4004.0   355.0    352.0
BT            4037.5    355.0    352.0     4037.5   355.0    336.0    4044.5   355.0    336.0
BT            4044.5    355.0    352.0     4079.5   355.0    352.0    4079.5   355.0    336.0
BT            4086.5    355.0    336.0     4086.5   355.0    352.0    4121.5   355.0    352.0
BT            4121.5    355.0    336.0     4128.5   355.0    336.0    4128.5   355.0    352.0
BT            4162.0    355.0    352.0     4162.0   355.0    336.0    4172.0   355.0    336.0
BT            4172.0    355.0    352.0     4205.5   355.0    352.0    4205.5   355.0    336.0
BT            4212.5    355.0    336.0     4212.5   355.0    352.0    4247.5   355.0    352.0
BT            4247.5    355.0    337.0     4254.5   355.0    339.0    4254.5   355.0    352.0
BT            4289.5    355.0    352.0     4289.5   355.0    342.0    4296.5   355.0    342.0
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BT		4296.5	355.0	352.0	4346.2	355.0	352.0	4360.7	354.0	352.0
BT		4450.0	352.0	352.0						
GR	360.0	965.0	358.0	1085.0	356.0	1225.0	354.0	1345.0	352.0	1510.0
GR	350.0	2420.0	348.0	3070.0	348.0	3487.6	350.0	3675.1	352.0	3743.8
GR	352.0	3835.4	350.0	3839.8	348.0	3847.1	346.0	3853.6	344.0	3856.3
GR	342.0	3860.7	340.0	3865.6	339.0	3869.5	338.0	3876.5	336.0	3889.4
GR	336.0	3911.5	336.0	3918.5	336.0	3953.5	336.0	3960.5	336.0	3994.0
GR	334.0	4004.0	334.0	4037.5	334.0	4044.5	334.0	4079.5	334.0	4086.5
GR	334.0	4121.5	334.0	4128.5	334.0	4162.0	336.0	4172.0	336.0	4205.5
GR	336.0	4212.5	336.0	4226.3	337.0	4247.5	338.0	4252.3	339.0	4254.5
GR	340.0	4259.3	342.0	4267.2	342.0	4267.4	342.0	4289.5	342.0	4296.5
GR	342.0	4304.1	342.0	4322.4	346.0	4332.1	348.0	4339.3	350.0	4346.2
GR	352.0	4360.7	352.0	4450.0	352.0	5050.0	352.0	5450.0	354.0	6150.0
GR	356.0	6290.0	358.0	6680.0	360.0	6810.0				
NH	5	0.125	3603.7	0.03	3864.3	0.04	4357.7	0.03	4787.9	0.125
NH	6500.0									
X1	510	67	3885.3	4317.2	10.0	10.0	10.0			
X3	10	0	0	3864.0	0	4358.0	0	0	0	0
GR	360.0	1000.0	358.0	1120.0	356.0	1230.0	354.0	1350.0	352.0	1480.0
GR	352.0	2160.4	354.0	2166.0	354.0	2725.2	352.0	2794.1	350.0	2800.2
GR	348.0	2927.2	348.0	3502.2	350.0	3603.7	352.0	3725.7	352.0	3854.6
GR	350.0	3859.7	348.0	3864.3	346.0	3872.7	344.0	3875.1	342.0	3885.3
GR	340.0	3888.1	339.0	3897.2	336.0	3904.2	336.0	3939.2	336.0	3946.2
GR	335.0	3981.2	335.0	3988.2	335.0	4021.7	335.0	4031.7	335.0	4065.2
GR	334.0	4072.2	334.0	4099.9	333.0	4107.2	333.0	4114.2	332.0	4118.2
GR	332.0	4138.2	334.0	4141.3	334.0	4149.2	335.0	4156.2	335.0	4189.7
GR	335.0	4199.7	335.0	4233.2	336.0	4240.2	336.0	4261.1	338.0	4264.2
GR	340.0	4272.0	340.0	4275.2	341.0	4282.2	341.0	4317.2	342.0	4324.2
GR	344.0	4330.0	346.0	4338.6	348.0	4357.7	348.0	4451.3	346.0	4474.4
GR	346.0	4560.8	348.0	4643.2	350.0	4686.4	352.0	4787.9	354.0	4949.8
GR	356.0	5106.6	356.0	5735.0	354.0	5745.0	354.0	5815.0	356.0	6265.0
GR	358.0	6305.0	360.0	6500.0						
NC	0	0	0	0.1	0.3					
NH	3	.125	3614.7	0.04	4704.9	0.125	6505.0			
X1	515	53	3935.0	4447.8	250.0	350.0	275.0			
X3	0	0	0	3640.0	0	4470.0	0	0	0	0
GR	362.0	710.0	360.0	720.0	358.0	785.0	356.0	866.0	354.0	1170.0
GR	352.0	1700.0	352.0	2020.0	354.0	2100.0	354.0	2376.8	352.0	2799.9
GR	350.0	3013.6	348.0	3176.9	348.0	3407.4	348.0	3614.7	348.0	3639.6
GR	346.0	3642.6	346.0	3643.2	344.0	3648.3	342.0	3652.1	340.0	3656.8
GR	338.0	3665.5	346.0	3667.9	336.0	3675.4	334.0	3935.0	332.0	3951.7
GR	332.0	4435.6	334.0	4447.8	336.0	4456.4	338.0	4469.2	340.0	4526.5
GR	342.0	4537.8	344.0	4543.0	346.0	4557.9	348.0	4603.2	350.0	4609.2
GR	352.0	4615.3	352.0	4647.6	352.0	4662.2	354.0	4666.4	354.0	4704.9
GR	354.0	4863.6	356.0	5134.3	356.0	5500.0	354.0	5620.0	354.0	5675.0
GR	356.0	5765.0	356.0	5830.0	354.0	5880.0	354.0	5940.0	356.0	6035.0
GR	358.0	6120.0	360.0	6420.0	362.0	6505.0				

NH	5	0.125	4258.6	0.04	4387.7	0.03	4851.5	0.04	5018.7	0.125
NH	6900.0									
X1	520	65	4347.8	4855.3	515.0	590.0	560.0			
X3	0	0	0	4240.0	0	5000.0	0	0	0	0
GR	362.0	1250.0	360.0	1261.0	358.0	1319.0	356.0	1540.0	354.0	1650.0
GR	352.0	2055.0	352.0	2209.2	354.0	2588.6	356.0	2679.1	356.0	2743.9
GR	354.0	3131.2	354.0	3204.9	354.0	3232.3	352.0	3297.2	352.0	3308.2
GR	352.0	3319.1	352.0	3327.2	352.0	3343.9	350.0	3512.7	348.0	3663.8
GR	348.0	3669.4	348.0	3965.0	348.0	4106.2	348.0	4106.7	348.0	4158.5
GR	348.0	4258.6	346.0	4263.3	344.0	4268.6	342.0	4272.0	340.0	4275.2
GR	338.0	4279.7	336.0	4283.7	334.0	4347.8	332.0	4387.7	332.0	4523.9
GR	334.0	4530.9	334.0	4704.9	332.0	4708.7	332.0	4851.5	334.0	4855.3
GR	336.0	4860.2	338.0	4866.8	340.0	4876.8	342.0	4919.9	344.0	4927.6
GR	346.0	4929.8	348.0	4933.4	350.0	4951.4	352.0	4959.9	354.0	4990.6
GR	356.0	4998.1	356.0	5018.7	354.0	5361.1	354.0	5395.8	356.0	5475.0
GR	358.0	5510.0	356.0	5585.0	356.0	5930.0	358.0	5965.0	356.0	6150.0
GR	356.0	6200.0	358.0	6290.0	358.0	6720.0	360.0	6810.0	362.0	6900.0
NH	4	0.100	4012.3	0.04	4190.2	0.03	4516.3	0.04	6460.0	
X1	530	53	4190.2	4516.3	640.0	610.0	620.0			
X3	0	0	0	4050.0	0	4691.0	0	0	0	0
GR	362.0	1570.0	360.0	1582.0	358.0	1775.0	356.0	1790.0	356.0	1985.0
GR	356.0	2190.2	354.0	2655.8	354.0	2937.3	352.0	2958.0	350.0	3490.2
GR	350.0	4012.3	350.0	4089.9	348.0	4095.2	346.0	4143.4	344.0	4151.9
GR	342.0	4155.4	340.0	4159.6	338.0	4174.5	336.0	4183.0	334.0	4190.2
GR	334.0	4516.3	336.0	4525.2	338.0	4589.7	340.0	4647.5	350.0	4666.3
GR	352.0	4674.7	360.0	4691.0	360.0	4705.1	354.0	4712.6	352.0	4718.3
GR	350.0	4725.4	350.0	4760.9	352.0	4781.7	354.0	4795.3	356.0	4806.9
GR	358.0	4832.0	360.0	4863.8	360.0	4905.5	358.0	5015.0	356.0	5040.0
GR	356.0	5300.0	354.0	5430.0	356.0	5500.0	358.0	5680.0	358.0	5783.0
GR	356.0	5787.0	354.0	5855.0	354.0	5975.0	356.0	6035.0	358.0	6040.0
GR	360.0	6410.0	360.0	6455.0	362.0	6460.0				
NH	4	0.100	1987.3	0.04	2128.1	0.03	2406.4	0.04	3590.0	
X1	535	36	2119.8	2411.1	290.0	275.0	280.0			
X3				2070.0		2600.0				
GR	360.0	0.0	358.0	188.8	356.0	211.0	354.0	228.7	354.0	314.3
GR	354.0	334.2	354.0	351.3	354.0	695.4	352.0	1004.9	352.0	1261.4
GR	352.0	1339.2	350.0	1389.9	350.0	1987.3	350.0	2065.4	348.0	2095.4
GR	346.0	2098.9	344.0	2102.4	342.0	2107.7	340.0	2113.5	338.0	2117.2
GR	336.0	2119.8	334.0	2128.1	334.0	2406.4	336.0	2411.1	338.0	2445.2
GR	340.0	2478.5	342.0	2515.2	344.0	2529.9	346.0	2535.1	348.0	2543.0
GR	350.0	2635.3	352.0	2651.1	354.0	2773.2	356.0	3360.0	358.0	3390.0
GR	360.0	3590.0								
NH	4	0.100	1900.0	0.04	2065.8	0.03	2390.6	0.04	3240.0	
X1	540	36	2055.8	2395.1	365.0	335.0	350.0			
GR	364.0	126.0	362.0	255.0	360.0	292.6	358.0	352.3	356.0	382.5
GR	356.0	410.9	356.0	877.4	354.0	963.3	354.0	968.2	354.0	1262.3
GR	354.0	1625.0	354.0	1706.5	352.0	1727.1	351.0	1900.0	350.0	2004.7
GR	340.0	2027.6	338.0	2035.3	336.0	2055.8	334.0	2065.8	334.0	2390.6
GR	336.0	2395.1	338.0	2410.3	340.0	2416.7	342.0	2432.0	344.0	2444.2
GR	346.0	2460.4	348.0	2466.0	350.0	2474.7	352.0	2495.3	354.0	2555.1

GR	354.0	2571.0	354.0	2617.2	356.0	2676.7	356.0	3100.0	358.0	3200.0
GR	360.0	3240.0								
NH	6	0.100	1120.0	0.06	1701.3	0.04	1900.5	0.03	2149.2	0.04
NH	2539.6	0.125	2909.2							
X1	550	40.0	1894.0	2153.3	645.0	655.0	650.0			
GR	370.0	147.4	368.0	151.1	366.0	158.9	364.0	168.9	364.0	250.9
GR	364.0	308.1	362.0	326.8	358.0	354.2	356.0	381.8	356.0	568.8
GR	356.0	1120.0	354.0	1377.0	354.0	1422.7	354.0	1701.3	352.0	1718.0
GR	350.0	1746.6	340.0	1828.0	338.0	1831.6	336.0	1894.0	334.0	1900.5
GR	334.0	2149.2	336.0	2153.3	338.0	2156.8	340.0	2199.4	342.0	2214.0
GR	344.0	2223.8	344.0	2280.7	344.0	2333.5	346.0	2348.4	348.0	2353.7
GR	350.0	2356.8	352.0	2359.2	354.0	2368.0	356.0	2382.7	358.0	2421.7
GR	360.0	2425.5	360.0	2539.6	360.0	2636.9	362.0	2722.6	364.0	2909.2
NH	4	0.05	1643.0	0.03	1885.4	0.04	2282.7	0.125	2809.5	
X1	560	46.0	1638.2	1898.1	605.0	595.0	600.0			
GR	362.0	136.3	362.0	194.5	364.0	210.8	366.0	233.2	366.0	287.9
GR	366.0	315.1	366.0	371.5	364.0	385.2	362.0	390.9	360.0	455.9
GR	358.0	466.9	356.0	617.4	356.0	992.7	358.0	1010.1	358.0	1064.6
GR	356.0	1372.1	354.0	1497.6	352.0	1542.9	350.0	1558.0	340.0	1585.4
GR	338.0	1592.1	336.0	1638.2	334.0	1643.0	334.0	1885.4	336.0	1898.1
GR	338.0	2060.8	340.0	2071.8	342.0	2121.3	344.0	2208.5	346.0	2214.3
GR	348.0	2217.3	350.0	2220.7	352.0	2224.7	354.0	2227.4	356.0	2254.0
GR	358.0	2260.6	360.0	2279.6	362.0	2282.7	362.0	2385.4	362.0	2469.4
GR	364.0	2537.2	366.0	2600.1	368.0	2650.4	370.0	2686.2	372.0	2770.6
GR	374.0	2809.5								
NH	4	0.100	986.3	0.05	1187.5	0.03	1383.4	0.04	1850.5	
X1	562	40.0	1181.4	1385.0	280.0	285.0	280.0			
GR	366.0	106.5	364.0	123.2	362.0	127.7	360.0	134.7	360.0	138.6
GR	360.0	169.0	358.0	191.7	358.0	219.4	358.0	231.0	356.0	395.2
GR	356.0	419.7	356.0	630.2	356.0	691.3	356.0	986.3	354.0	1059.2
GR	352.0	1064.0	350.0	1068.5	340.0	1107.5	338.0	1127.7	336.0	1181.4
GR	334.0	1187.5	334.0	1383.4	336.0	1385.0	334.0	1453.1	334.0	1484.7
GR	338.0	1555.7	340.0	1600.9	340.0	1633.0	340.0	1698.3	342.0	1712.0
GR	344.0	1780.4	346.0	1790.8	348.0	1797.9	350.0	1801.1	352.0	1812.1
GR	354.0	1816.6	356.0	1819.1	358.0	1821.8	360.0	1826.7	362.0	1850.5
NH	5	0.100	821.7	0.05	1102.1	0.03	1325.5	0.04	1694.5	0.125
NH	1835.5									
X1	564	34.0	1053.1	1332.2	220.0	220.0	220.0			
GR	364.0	130.8	362.0	135.1	360.0	178.5	360.0	194.3	360.0	199.1
GR	358.0	210.6	356.0	821.7	354.0	896.6	351.0	902.2	350.0	905.0
GR	348.0	910.5	346.0	916.1	344.0	926.7	342.0	943.3	338.0	959.8
GR	336.0	1053.1	334.0	1102.1	334.0	1325.5	336.0	1332.2	338.0	1506.9
GR	340.0	1539.8	342.0	1592.1	344.0	1621.6	346.0	1636.2	348.0	1647.2
GR	350.0	1658.3	352.0	1675.0	354.0	1680.3	356.0	1684.4	358.0	1688.6
GR	360.0	1691.3	362.0	1694.5	362.0	1830.3	362.0	1835.5		

NC	0.085	0.06	0.03							
X1	566	48.0	971.9	1257.5	280.0	280.0	280.0			
GR	364.0	125.7	362.0	130.3	360.0	226.0	358.0	539.3	356.0	545.7
GR	354.0	549.2	354.0	586.2	354.0	836.5	351.0	841.5	350.0	846.0
GR	348.0	852.7	346.0	861.9	344.0	870.9	342.0	873.4	340.0	878.6
GR	338.0	882.9	338.0	891.3	340.0	897.1	342.0	928.0	342.0	943.5
GR	340.0	966.5	338.0	971.9	336.0	987.3	334.0	1006.2	334.0	1248.3
GR	336.0	1249.2	338.0	1257.5	340.0	1312.0	342.0	1319.6	344.0	1359.0
GR	346.0	1374.5	348.0	1397.8	350.0	1410.4	352.0	1435.6	354.0	1452.7
GR	356.0	1461.4	358.0	1472.7	360.0	1475.8	362.0	1480.2	364.0	1482.6
GR	366.0	1485.5	368.0	1547.3	370.0	1556.3	372.0	1562.2	374.0	1573.8
GR	376.0	1582.1	378.0	1591.8	380.0	1597.3				
NC	0.085	0.06	0.03							
X1	570	51.0	1642.7	1843.3	285.0	280.0	280.0			
GR	370.0	581.4	368.0	587.2	366.0	591.4	364.0	596.0	362.0	671.4
GR	362.0	686.5	364.0	810.8	364.0	840.9	362.0	859.4	360.0	914.8
GR	358.0	1050.7	356.0	1054.8	354.0	1061.1	354.0	1070.1	356.0	1074.5
GR	358.0	1079.1	358.0	1092.1	356.0	1097.0	356.0	1108.1	358.0	1112.0
GR	358.0	1127.6	356.0	1130.5	356.0	1466.0	356.0	1513.1	354.0	1516.3
GR	351.0	1518.8	350.0	1522.2	348.0	1526.1	346.0	1531.5	344.0	1537.1
GR	342.0	1556.5	342.0	1580.3	342.0	1627.4	340.0	1635.2	338.0	1638.2
GR	336.0	1642.7	334.0	1647.9	334.0	1837.5	336.0	1843.3	338.0	1860.7
GR	340.0	1867.9	342.0	1914.8	344.0	1920.4	346.0	1948.3	348.0	1964.0
GR	350.0	1970.5	352.0	1974.8	354.0	1999.3	356.0	2006.6	358.0	2013.6
GR	360.0	2028.7								
NC	0.085	0.06	0.03							
X1	572	32	832.0	1056.1	200.0	178.0	187.0			
GR	362.0	120.8	360.0	184.3	358.0	190.8	356.0	276.1	356.0	440.2
GR	356.0	738.5	354.0	746.9	351.0	749.1	350.0	755.1	348.0	759.7
GR	346.0	769.4	344.0	772.6	342.0	775.3	340.0	780.9	338.0	784.1
GR	336.0	832.0	334.0	838.1	334.0	1051.5	336.0	1056.1	338.0	1063.0
GR	340.0	1097.3	342.0	1102.0	344.0	1105.3	346.0	1109.4	348.0	1153.3
GR	350.0	1161.6	352.0	1183.2	354.0	1196.0	356.0	1212.6	358.0	1239.7
GR	360.0	1250.9	362.0	1260.0						
NC	0.085	0.06	0.03							
X1	574	35.0	747.5	1043.6	210.0	190.0	200.0			
GR	362.0	129.2	362.0	138.5	362.0	163.3	360.0	186.2	358.0	190.0
GR	358.0	577.1	358.0	687.6	356.0	694.4	354.0	697.9	351.0	701.0
GR	350.0	704.4	348.0	710.2	346.0	713.6	344.0	716.8	342.0	721.3
GR	340.0	725.5	338.0	741.6	336.0	747.5	334.0	749.7	334.0	1039.4
GR	336.0	1043.6	338.0	1048.8	340.0	1081.1	342.0	1085.0	349.9	1097.5
GR	350.0	1106.8	350.0	1121.7	352.0	1128.8	354.0	1131.7	356.0	1148.3
GR	358.0	1163.7	360.0	1176.6	362.0	1185.2	364.0	1192.5	366.0	1192.6
NC	0.085	0.06	0.03							
X1	576	30.0	733.4	959.3	190.0	165.0	170.0			
GR	362.0	169.2	360.0	207.0	358.0	657.3	356.0	661.5	354.0	667.9
GR	351.0	683.0	350.0	687.3	348.0	693.7	346.0	700.1	344.0	706.9
GR	342.0	713.0	340.0	714.2	338.0	733.4	336.0	737.2	334.0	739.6
GR	334.0	948.2	336.0	952.2	338.0	959.3	340.0	1048.8	342.0	1075.6

GR	349.9	1095.6	352.0	1099.3	354.0	1104.0	356.0	1108.2	356.0	1123.7
GR	356.0	1139.6	358.0	1143.4	360.0	1146.4	362.0	1153.0	364.0	1184.9
NC	0.085	0.06	0.03							
X1	582	39.0	698.2	914.1	335.0	310.0	330.0			
GR	364.0	137.4	362.0	189.7	360.0	205.4	360.0	212.2	360.0	221.3
GR	358.0	568.5	356.0	572.6	354.0	576.1	351.0	579.3	350.0	581.9
GR	348.0	586.0	346.0	590.1	344.0	593.5	344.0	610.4	346.0	616.5
GR	346.0	623.7	344.0	627.6	344.0	643.0	344.0	680.1	342.0	683.7
GR	340.0	693.0	338.0	698.2	336.0	704.7	336.0	909.2	338.0	914.1
GR	340.0	919.5	342.0	1044.1	342.0	1107.0	342.0	1140.7	344.0	1144.9
GR	346.0	1148.3	348.0	1150.5	350.0	1152.8	352.0	1156.0	354.0	1159.9
GR	356.0	1163.4	358.0	1215.1	360.0	1219.2	370.0	1239.5		
NC	0.085	0.06	0.03							
X1	584	33.0	632.7	857.9	210.0	190.0	200.0			
GR	364.0	135.1	364.0	145.5	364.0	174.9	362.0	191.2	360.0	196.8
GR	358.0	515.4	356.0	518.5	354.0	526.4	351.0	533.5	350.0	540.1
GR	348.0	551.7	346.0	557.5	344.0	561.9	342.0	573.5	340.0	581.2
GR	338.0	632.7	336.0	644.9	336.0	851.8	338.0	857.9	342.0	992.7
GR	344.0	1066.7	346.0	1072.5	348.0	1095.0	350.0	1098.7	352.0	1100.7
GR	354.0	1107.8	356.0	1111.0	358.0	1121.2	358.0	1163.7	358.0	1244.0
GR	360.0	1267.6	362.0	1299.1	364.0	1309.3				
NC	0.085	0.06	0.03							
X1	586	34.0	582.7	772.7	205.0	205.0	205.0			
GR	366.0	110.7	364.0	182.5	362.0	188.7	360.0	329.3	360.0	355.9
GR	360.0	383.3	360.0	412.5	360.0	444.5	350.0	465.8	348.0	470.9
GR	346.0	483.4	344.0	488.8	342.0	507.1	338.0	582.7	336.0	593.3
GR	336.0	767.0	338.0	772.7	340.0	929.5	342.0	1012.7	344.0	1019.4
GR	346.0	1023.4	348.0	1027.9	350.0	1031.1	360.0	1046.7	362.0	1051.5
GR	362.0	1124.7	360.0	1174.0	360.0	1212.8	360.0	1229.7	358.0	1236.1
GR	358.0	1312.4	360.0	1327.9	362.0	1354.8	364.0	1367.3		
NC	0.085	0.06	0.03							
X1	592	57.0	443.9	597.6	375.0	385.0	380.0			
X3	0	0	0	345.0	0	800.0	0	0	0	0
GR	370.0	130.6	368.0	136.8	366.0	139.9	364.0	191.1	362.0	195.4
GR	360.0	202.2	360.0	222.8	362.0	241.9	364.0	302.7	364.0	344.8
GR	362.0	348.7	360.0	350.8	350.0	371.6	348.0	375.7	346.0	380.7
GR	344.0	395.9	342.0	402.9	340.0	408.7	338.0	443.9	336.0	467.1
GR	336.0	563.3	338.0	572.4	338.0	581.7	338.0	597.6	340.0	602.0
GR	340.0	671.2	340.0	724.3	342.0	747.9	344.0	751.6	346.0	756.9
GR	348.0	760.9	349.9	777.6	352.0	786.1	354.0	792.1	358.0	816.9
GR	360.0	823.8	362.0	905.7	364.0	928.2	364.0	966.1	364.0	1187.2
GR	366.0	1201.8	368.0	1207.7	368.0	1228.7	366.0	1234.6	364.0	1241.2
GR	362.0	1345.3	360.0	1375.6	358.0	1382.2	356.0	1387.4	356.0	1419.4
GR	358.0	1476.4	360.0	1493.0	362.0	1501.1	364.0	1504.4	366.0	1512.4
GR	368.0	1529.3	370.0	1578.1						

NC	0.075	0.065	0.125							
X1	594	80.0	630.7	779.9	230.0	230.0	230.0			
GR	368.0	189.5	366.0	194.5	366.0	207.4	368.0	213.8	370.0	220.5
GR	372.0	225.8	374.0	231.6	376.0	243.5	376.0	310.6	376.0	366.8
GR	376.0	391.0	374.0	415.0	372.0	422.3	370.0	427.1	368.0	428.7
GR	366.0	431.0	364.0	562.6	362.0	564.8	360.0	571.4	350.0	596.8
GR	348.0	609.4	346.0	613.4	344.0	617.0	342.0	630.7	340.0	637.0
GR	340.0	712.7	340.0	738.3	340.0	743.7	342.0	779.9	344.0	790.4
GR	346.0	800.8	348.0	808.4	350.0	822.9	360.0	901.4	358.0	908.6
GR	358.0	939.7	360.0	949.9	362.0	955.8	364.0	964.0	364.0	994.9
GR	362.0	1004.8	360.0	1014.2	358.0	1025.8	356.0	1057.6	356.0	1075.6
GR	358.0	1082.9	360.0	1086.9	362.0	1091.8	364.0	1098.9	366.0	1107.1
GR	368.0	1111.3	370.0	1116.3	370.0	1123.9	368.0	1148.6	366.0	1153.0
GR	364.0	1164.1	364.0	1432.2	364.0	1449.6	364.0	1466.1	366.0	1605.9
GR	368.0	1611.6	370.0	1615.0	370.0	1633.0	368.0	1637.6	366.0	1642.8
GR	364.0	1669.4	364.0	1683.8	364.0	1718.7	362.0	1724.1	360.0	1731.7
GR	358.0	1764.6	356.0	1819.5	356.0	1840.9	358.0	1880.0	360.0	1887.5
GR	362.0	1891.9	364.0	1899.2	366.0	1911.8	368.0	1973.0	370.0	1986.0

NC	0.075	0.065	0.125							
X1	600	76.0	778.9	979.1	145.0	155.0	150.0			
X3	0	0	0	600.0	0	1050.0	0	0	0	0
GR	376.0	107.5	374.0	132.1	372.0	135.5	368.0	303.5	368.0	319.6
GR	370.0	325.3	372.0	329.6	374.0	335.7	376.0	341.2	378.0	346.9
GR	380.0	352.9	380.0	443.7	380.0	471.0	380.0	520.9	378.0	541.4
GR	376.0	544.6	374.0	548.5	372.0	551.8	370.0	557.8	368.0	560.1
GR	366.0	563.7	364.0	640.1	362.0	649.0	360.0	652.5	358.0	658.2
GR	356.0	665.5	354.0	675.5	352.0	693.7	350.0	706.0	348.0	714.2
GR	348.0	720.6	348.0	757.2	346.0	778.9	344.0	788.4	342.0	801.2
GR	342.0	944.1	344.0	973.4	346.0	979.1	348.0	986.4	350.0	988.7
GR	360.0	1001.5	362.0	1006.2	364.0	1020.1	366.0	1144.4	368.0	1278.3
GR	370.0	1282.7	370.0	1293.0	368.0	1297.8	366.0	1301.3	364.0	1304.6
GR	364.0	1385.5	366.0	1396.2	366.0	1412.0	364.0	1420.3	364.0	1639.3
GR	364.0	1714.3	364.0	1832.9	366.0	1845.3	368.0	1849.6	370.0	1855.1
GR	370.0	1872.1	368.0	1877.6	366.0	1885.2	364.0	1934.5	362.0	1938.2
GR	360.0	1948.6	360.0	1966.8	360.0	2011.3	358.0	2020.0	358.0	2086.0
GR	360.0	2170.5	362.0	2176.6	364.0	2184.5	366.0	2191.1	368.0	2252.7
GR	370.0	2281.2								

NC	0.075	0.065	0.125							
X1	610	75	319.9	622.8	295.0	355.0	315.0			
X3	0	0	0	200.0	0	652.3	0	0	0	0
GR	390.0	103.3	390.0	133.2	388.0	139.9	382.0	151.5	380.0	156.0
GR	370.0	177.5	368.0	180.4	366.0	189.1	364.0	252.7	362.0	256.4
GR	360.0	260.7	358.0	266.5	356.0	272.8	354.0	301.5	352.0	304.8
GR	350.0	308.1	348.0	313.6	346.0	319.9	344.0	381.3	342.0	409.0
GR	342.0	604.8	344.0	615.0	346.0	622.8	348.0	626.7	350.0	630.3
GR	360.0	645.0	362.0	648.2	364.0	652.3	364.0	727.8	362.0	732.5
GR	360.0	738.6	358.0	742.9	356.0	746.9	356.0	792.1	358.0	799.0
GR	360.0	804.5	362.0	810.2	364.0	815.3	366.0	823.4	368.0	890.1
GR	368.0	914.0	366.0	923.1	366.0	959.7	368.0	969.4	368.0	1056.9
GR	366.0	1071.8	364.0	1084.5	362.0	1096.9	360.0	1103.2	350.0	1127.8
GR	348.0	1147.5	346.0	1173.3	346.0	1268.3	348.0	1275.2	350.0	1281.2

GR	360.0	1298.3	362.0	1301.8	362.0	1341.2	360.0	1381.5	350.0	1415.1
GR	348.0	1422.9	346.0	1430.3	346.0	1494.6	348.0	1515.3	348.0	1717.0
GR	348.0	1760.2	350.0	1832.6	360.0	1856.7	364.0	1860.6	362.0	1866.9
GR	366.0	1891.5	368.0	2520.0	370.0	2620.0	372.0	2740.0	374.0	2780.0
NC	0.075	0.065	0.125							
X1	620	63	299.2	732.0	395.0	395.0	395.0			
X3	10	0	0	250.0	0	750.0	0	0	0	0
GR	380.0	210.5	370.0	228.8	368.0	230.7	366.0	234.4	366.0	239.9
GR	366.0	246.0	364.0	299.2	362.0	302.7	360.0	309.4	358.0	335.2
GR	356.0	341.1	354.0	343.7	352.0	348.6	350.0	415.7	348.0	421.2
GR	346.0	429.7	344.0	515.8	344.0	685.5	346.0	691.3	348.0	701.4
GR	350.0	709.6	360.0	726.0	362.0	729.1	364.0	732.0	364.0	767.8
GR	362.0	771.4	360.0	775.6	350.0	819.3	348.0	824.3	346.0	827.8
GR	346.0	846.3	346.0	966.4	344.0	971.4	344.0	1009.4	346.0	1063.6
GR	348.0	1115.1	350.0	1124.6	360.0	1185.8	362.0	1195.8	364.0	1205.6
GR	366.0	1211.1	368.0	1236.4	370.0	1308.2	370.0	1503.3	368.0	1552.5
GR	366.0	1558.4	364.0	1562.0	362.0	1567.8	360.0	1584.3	360.0	1684.8
GR	362.0	1691.5	364.0	1713.1	366.0	1722.9	366.0	1770.0	366.0	1862.4
GR	368.0	1960.0	368.0	2490.0	370.0	2518.0	372.0	2536.0	374.0	2730.0
GR	376.0	2800.0	378.0	2840.0	380.0	2875.0				
NC	0.075	0.065	0.125							
X1	630	60	445.6	718.0	235.0	295.0	265.0			
X3	0	0	0	300.0	0	805.0	0	0	0	0
GR	380.0	231.4	370.0	248.4	368.0	254.6	366.0	328.7	364.0	337.7
GR	362.0	344.0	360.0	347.8	358.0	353.4	358.0	362.4	358.0	382.2
GR	356.0	395.2	354.0	426.7	352.0	433.1	350.0	438.4	348.0	445.6
GR	346.0	466.8	344.0	561.4	344.0	632.7	346.0	679.5	348.0	718.0
GR	350.0	730.2	360.0	748.4	362.0	751.9	366.0	753.5	364.0	754.7
GR	368.0	804.6	368.0	835.1	366.0	840.2	364.0	844.7	362.0	850.5
GR	360.0	855.9	356.0	865.8	350.0	881.5	348.0	901.3	346.0	918.7
GR	344.0	927.5	344.0	986.7	346.0	996.7	348.0	1015.4	348.0	1070.6
GR	348.0	1129.5	350.0	1141.8	352.0	1146.3	354.0	1258.4	356.0	1275.1
GR	358.0	1514.9	360.0	1522.3	370.0	1544.4	372.0	1576.1	372.0	1650.2
GR	370.0	1676.7	368.0	1685.7	368.0	1855.0	370.0	1966.0	370.0	2470.0
GR	372.0	2510.0	374.0	2657.0	376.0	2695.0	378.0	2745.0	380.0	2785.0
NC	0.075	0.065	0.125							
	FINAL CROSS SECTION - APPROX. 200 FT. DOWNSTREAM RIVERFORD BRIDGE									
X1	640	27	433.9	577.6	345.0	355.0	350.0			
GR	376.0	30.0	374.0	40.0	372.0	50.0	370.0	65.0	368.0	177.8
GR	370.0	224.7	370.0	392.0	360.0	410.6	350.0	433.9	348.0	447.6
GR	346.0	450.9	346.0	550.9	348.0	564.9	350.0	577.6	360.0	601.2
GR	362.0	621.0	364.0	656.5	366.0	694.7	368.0	731.7	370.0	757.0
GR	372.0	802.2	372.0	1053.1	370.0	1410.8	370.0	1725.0	372.0	2340.0
GR	374.0	2370.0	376.0	2490.0						

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

*PROF 1

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS
0

CCHV= .100 CEHV= .300
*SECNO 100.000
3720 CRITICAL DEPTH ASSUMED
MISSION DAM - DOWNSTREAM LIMIT OF STUDY (SUB-CRITICAL FLOW ASSUMED)

100.00	3.62	273.62	273.62	274.00	274.99	1.37	.00	.00	280.00
5500.	0.	5500.	0.	0.	586.	0.	0.	0.	280.00
.00	.00	9.39	.00	.000	.180	.000	.000	270.00	365.18
.346457	0.	0.	0.	0	10	0	.00	217.57	582.75

FLOW DISTRIBUTION FOR SECNO= 100.00 CWSEL= 273.62

STA= 365. 601.
PER Q= 100.0
AREA= 585.7
VEL= 9.4
DEPTH= 2.7

*SECNO 110.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

110.00	5.78	279.78	277.70	.00	280.18	.40	5.09	.10	280.00
5500.	0.	5500.	0.	0.	1088.	0.	1.	0.	280.00
.00	.00	5.05	.00	.000	.180	.000	.000	274.00	343.03
.055484	45.	45.	45.	5	5	0	.00	256.70	599.73

FLOW DISTRIBUTION FOR SECNO= 110.00 CWSEL= 279.78

STA= 343. 600.
PER Q= 100.0
AREA= 1088.4
VEL= 5.1
DEPTH= 4.2

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 120.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

120.00	7.60	281.60	277.51	.00	281.80	.21	1.60	.02	280.00
5500.	18.	5468.	14.	8.	1497.	7.	3.	1.	280.00
.01	2.12	3.65	2.11	.080	.180	.080	.000	274.00	343.89
.017927	55.	55.	55.	5	14	0	.00	266.83	610.72

FLOW DISTRIBUTION FOR SECNO= 120.00 CWSEL= 281.60

STA=	344.	355.	603.	611.
PER Q=	.3	99.4	.3	
AREA=	8.5	1497.1	6.6	
VEL=	2.1	3.7	2.1	
DEPTH=	.8	6.0	.8	

*SECNO 130.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

130.00	10.49	286.49	280.79	.00	286.60	.11	4.79	.01	280.00
5500.	116.	4827.	557.	38.	1913.	155.	24.	4.	280.00
.06	3.02	2.52	3.59	.080	.180	.080	.000	276.00	337.47
.005590	520.	520.	520.	6	14	0	.00	294.15	631.62

FLOW DISTRIBUTION FOR SECNO= 130.00 CWSEL= 286.49

STA=	337.	346.	353.	584.	600.	612.	628.	632.
PER Q=	.2	1.9	87.8	6.9	2.4	.8	.0	
AREA=	8.3	30.1	1912.9	88.4	42.2	23.6	1.0	
VEL=	1.6	3.4	2.5	4.3	3.2	1.8	.5	
DEPTH=	.9	4.5	8.3	5.5	3.5	1.5	.2	

CCHV= .300 CEHV= .500

*SECNO 140.000

140.00	13.02	289.02	281.68	.00	289.10	.08	2.49	.01	284.00
5500.	73.	5216.	211.	31.	2307.	83.	53.	8.	284.00
.13	2.39	2.26	2.53	.080	.180	.080	.000	276.00	231.67
.003690	555.	555.	555.	4	11	0	.00	279.71	511.38

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 140.00 CWSEL= 289.02

STA=	232.	237.	243.	482.	498.	508.	511.
PER Q=	.3	1.1	94.8	3.2	.7	.0	
AREA=	9.2	21.3	2307.5	61.1	20.4	1.9	
VEL=	1.6	2.7	2.3	2.8	1.8	.7	
DEPTH=	1.6	4.0	9.6	4.0	2.0	.5	

*SECNO 150.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 108.5 1170.0 TYPE= 1 TARGET= 1061.500

150.00	10.18	290.18	282.18	.00	290.20	.03	1.09	.02	290.00
5500.	0.	5500.	0.	0.	4120.	0.	96.	13.	290.00
.25	.01	1.33	.01	.080	.160	.035	.000	280.00	273.21
.001133	555.	580.	555.	3	20	0	.00	465.99	739.21

FLOW DISTRIBUTION FOR SECNO= 150.00 CWSEL= 290.18

STA=	273.	738.
PER Q=	100.0	
AREA=	4120.4	
VEL=	1.3	
DEPTH=	8.9	

1490 NH CARD USED
*SECNO 160.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

160.00	10.04	292.04	292.04	.00	292.07	.03	.57	.00	292.00
5500.	4572.	926.	2.	3307.	595.	6.	167.	25.	290.00
.40	1.38	1.55	.41	.074	.080	.080	.000	282.00	416.46
.000524	900.	670.	670.	0	8	0	.00	879.25	1417.87

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 160.00 CWSEL= 292.04

STA=	416.	497.	524.	590.	638.	1193.	1331.	1412.	1418.
PER Q=	12.8	8.2	23.7	10.3	28.1	.1	16.8	.0	
AREA=	326.4	244.1	657.6	352.8	1710.6	15.9	595.5	5.7	
VEL=	2.1	1.8	2.0	1.6	.9	.4	1.6	.4	
DEPTH=	4.0	9.0	10.0	7.4	3.1	.1	7.3	1.0	

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 170.000

3470 ENCROACHMENT STATIONS= .0 2100.0 TYPE= 1 TARGET= 2099.999

170.00	8.20	292.20	292.03	.00	292.27	.07	.19	.01	292.00
5500.	4789.	591.	120.	2190.	376.	220.	192.	33.	290.00
.44	2.19	1.57	.54	.056	.080	.080	.000	284.00	526.11
.000672	325.	320.	315.	0	10	0	.00	1209.06	1735.17

FLOW DISTRIBUTION FOR SECNO= 170.00 CWSEL= 292.20

STA=	526.	570.	744.	761.	772.	814.	830.	868.	1483.	1544.	1735.
PER Q=	4.3	47.8	3.9	3.9	17.5	4.8	3.2	1.6	10.8	2.2	
AREA=	115.6	909.1	120.4	103.1	425.6	135.0	143.9	237.5	375.6	219.8	
VEL=	2.0	2.9	1.8	2.1	2.3	1.9	1.2	.4	1.6	.5	
DEPTH=	2.7	5.2	7.2	9.2	10.2	8.2	3.9	.4	6.2	1.2	

1490 NH CARD USED
*SECNO 180.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= .0 2000.0 TYPE= 1 TARGET= 1999.999

180.00	6.37	292.37	290.19	.00	292.40	.03	.12	.00	292.00
5500.	4987.	511.	3.	3202.	974.	6.	235.	47.	290.00
.54	1.56	.52	.42	.031	.080	.040	.000	286.00	589.79
.000116	529.	550.	570.	2	8	0	.00	1174.34	1764.13

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

FLOW DISTRIBUTION FOR SECNO= 180.00 CWSEL= 292.37

STA=	590.	647.	703.	1032.	1053.	1109.	1530.	1759.	1764.
PER Q=	3.0	8.9	69.9	3.3	4.1	1.4	9.3	.0	
AREA=	152.8	300.5	2094.3	112.7	188.5	352.9	973.7	6.1	
VEL=	1.1	1.6	1.8	1.6	1.2	.2	.5	.4	
DEPTH=	2.7	5.4	6.4	5.4	3.4	.8	4.3	1.2	

1490 NH CARD USED
*SECNO 190.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 296.00 ELREA= 290.00

190.00	6.33	292.33	289.58	.00	292.68	.36	.19	.10	296.00
5500.	0.	5492.	8.	0.	1148.	5.	265.	55.	290.00
.57	.00	4.78	1.60	.000	.080	.080	.000	286.00	1591.63
.007292	505.	505.	505.	2	11	0	.00	222.16	1813.80

FLOW DISTRIBUTION FOR SECNO= 190.00 CWSEL= 292.33

STA=	1592.	1810.	1814.
PER Q=	99.9	.1	
AREA=	1148.0	4.8	
VEL=	4.8	1.6	
DEPTH=	5.3	1.2	

1490 NH CARD USED
*SECNO 200.000

3265 DIVIDED FLOW

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3710 WSEL ASSUMED BASED ON MIN DIFF

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 296.00 ELREA= 294.00

200.00	9.59	295.59	291.94	.00	295.92	.33	6.23	.68	296.00
5500.	0.	3536.	1964.	0.	779.	418.	285.	61.	294.00
.62	.00	4.54	4.70	.000	.125	.040	.000	286.00	1463.85
.009785	720.	740.	750.	20	11	0	.00	400.18	1912.67

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 200.00 CWSEL= 295.59

STA=	1464.	1563.	1566.	1600.	1637.	1666.	1696.	1756.	1780.	1908.	1913.
PER Q=	64.3	.1	.1	5.5	4.1	4.3	2.8	.1	18.5	.2	
AREA=	778.5	2.9	3.9	60.3	44.9	47.6	48.0	2.7	203.5	4.1	
VEL=	4.5	1.0	1.0	5.0	5.0	5.0	3.2	3.0	5.0	3.1	
DEPTH=	7.9	.8	.1	1.6	1.6	1.6	.8	.1	1.6	.8	

1490 NH CARD USED
*SECNO 209.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 298.00 ELREA= 294.00

209.00	11.24	297.24	289.81	.00	297.32	.08	1.37	.02	298.00
5500.	0.	4292.	1208.	0.	1928.	504.	301.	65.	294.00
.67	.00	2.23	2.40	.000	.125	.040	.000	286.00	1269.51
.001845	430.	390.	365.	2	18	0	.00	559.54	1829.05

FLOW DISTRIBUTION FOR SECNO= 209.00 CWSEL= 297.24

STA=	1270.	1479.	1655.	1829.
PER Q=	78.0	19.7	2.3	
AREA=	1928.3	395.5	108.1	
VEL=	2.2	2.7	1.2	
DEPTH=	9.2	2.2	.6	

1490 NH CARD USED
*SECNO 210.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 298.00 ELREA= 294.00

210.00	11.26	297.26	289.81	.00	297.34	.08	.02	.00	298.00
5500.	0.	4283.	1217.	0.	1931.	508.	302.	65.	294.00
.67	.00	2.22	2.39	.000	.125	.040	.000	286.00	1269.45
.001830	10.	10.	10.	2	17	0	.00	561.45	1830.90

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 210.00 CWSEL= 297.26

STA=	1269.	1479.	1655.	1831.
PER Q=	77.9	19.8	2.3	
AREA=	1931.1	397.9	110.4	
VEL=	2.2	2.7	1.2	
DEPTH=	9.2	2.3	.6	

1490 NH CARD USED
*SECNO 211.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 298.00 ELREA= 294.00

211.00	11.28	297.28	289.81	.00	297.36	.08	.02	.00	298.00
5500.	0.	4271.	1229.	0.	1935.	515.	303.	65.	294.00
.67	.00	2.21	2.39	.000	.125	.040	.000	286.00	1269.38
.001808	10.	10.	10.	0	17	0	.00	564.09	1833.46

FLOW DISTRIBUTION FOR SECNO= 211.00 CWSEL= 297.28

STA=	1269.	1479.	1655.	1833.
PER Q=	77.6	19.9	2.4	
AREA=	1935.0	401.1	113.6	
VEL=	2.2	2.7	1.2	
DEPTH=	9.2	2.3	.6	

*SECNO 220.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

220.00	9.89	297.89	291.05	.00	297.93	.04	.57	.00	292.00
5500.	497.	1721.	3282.	350.	2789.	1597.	369.	78.	292.00
.81	1.42	.62	2.06	.040	.200	.040	.000	288.00	588.76
.000384	830.	810.	770.	2	14	0	.00	829.88	1418.64

FLOW DISTRIBUTION FOR SECNO= 220.00 CWSEL= 297.89

STA=	589.	652.	736.	746.	1065.	1378.	1394.	1419.
PER Q=	.7	6.5	1.7	31.3	58.1	1.2	.3	
AREA=	59.0	244.3	46.4	2788.6	1526.8	46.7	23.2	
VEL=	.7	1.5	2.1	.6	2.1	1.5	.7	
DEPTH=	.9	2.9	4.9	8.7	4.9	2.9	.9	

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

*SECNO 230.000

3470 ENCROACHMENT STATIONS= 825.0 2050.0 TYPE= 1 TARGET= 1225.000

230.00	10.09	298.09	292.22	.00	298.15	.06	.21	.00	292.00
5500.	227.	1227.	4046.	138.	1770.	1889.	417.	89.	292.00
.89	1.64	.69	2.14	.040	.200	.040	.000	288.00	888.31
.000482	465.	490.	505.	2	14	0	.00	1161.69	2050.00

FLOW DISTRIBUTION FOR SECNO= 230.00 CWSEL= 298.09

STA=	888.	940.	941.	1143.	1280.	1427.	1544.	2050.
PER Q=	3.9	.3	22.3	30.7	22.8	18.1	2.0	
AREA=	129.7	8.1	1770.3	700.7	600.8	476.4	111.4	
VEL=	1.6	1.8	.7	2.4	2.1	2.1	1.0	
DEPTH=	2.5	5.1	8.8	5.1	4.1	4.1	.2	

*SECNO 239.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2370.0 3040.0 TYPE= 1 TARGET= 670.000

239.00	8.49	298.49	292.31	.00	298.55	.06	.40	.00	294.00
5500.	257.	4000.	1243.	71.	2668.	469.	451.	98.	294.00
.95	3.61	1.50	2.65	.040	.200	.040	.000	290.00	2370.00
.002481	400.	420.	440.	2	17	0	.00	670.00	3040.00

FLOW DISTRIBUTION FOR SECNO= 239.00 CWSEL= 298.49

STA=	2370.	2385.	2399.	2724.	2732.	2742.	2758.	2827.	2869.	3000.	3040.
PER Q=	1.1	3.5	72.7	1.9	.7	.2	4.5	6.5	8.5	.4	
AREA=	25.1	46.0	2668.4	24.8	15.9	7.7	102.5	105.2	193.6	19.7	
VEL=	2.5	4.2	1.5	4.1	2.4	1.1	2.4	3.4	2.4	1.1	
DEPTH=	1.6	3.5	8.2	3.5	1.5	.5	1.5	2.5	1.5	.5	

*SECNO 240.000

240.00	9.11	299.11	292.25	.00	299.15	.04	.60	.00	306.00
5500.	0.	5500.	0.	0.	3645.	0.	469.	101.	310.00
.99	.00	1.51	.00	.000	.200	.000	.000	290.00	2535.36
.002686	195.	230.	255.	2	14	0	.00	465.94	3001.30

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

FLOW DISTRIBUTION FOR SECNO= 240.00 CWSEL= 299.11

STA= 2535. 3032.
PER Q= 100.0
AREA= 3645.1
VEL= 1.5
DEPTH= 7.8

CCHV= .300 CEHV= .500
*SECNO 242.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3370 NORMAL BRIDGE, NRD= 31 MIN ELTRD= 312.00 MAX ELLC= 311.50

MAST BLVD BRIDGE (NORMAL BRIDGE ROUTINE)

242.00	9.11	299.11	292.36	.00	299.16	.04	.00	.00	306.00
5500.	0.	5500.	0.	0.	3341.	0.	470.	101.	310.00
1.00	.00	1.65	.00	.000	.040	.000	.000	290.00	2535.36
.000165	10.	10.	10.	2	15	0	-304.97	465.94	3001.30

FLOW DISTRIBUTION FOR SECNO= 242.00 CWSEL= 299.11

STA= 2535. 3032.
PER Q= 100.0
AREA= 3340.8
VEL= 1.6
DEPTH= 7.2

*SECNO 243.000

3370 NORMAL BRIDGE, NRD= 31 MIN ELTRD= 312.00 MAX ELLC= 311.50

243.00	9.12	299.12	292.36	.00	299.17	.04	.01	.00	313.00
5500.	0.	5500.	0.	0.	3345.	0.	475.	102.	300.00
1.01	.00	1.64	.00	.000	.040	.000	.000	290.00	2535.34
.000165	65.	65.	65.	2	15	0	-305.35	465.96	3001.31

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

FLOW DISTRIBUTION FOR SECNO= 243.00 CWSEL= 299.12

STA= 2535. 3002.
PER Q= 100.0
AREA= 3345.5
VEL= 1.6
DEPTH= 7.2

CCHV= .100 CEHV= .300
*SECNO 244.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

244.00	9.13	299.13	293.11	.00	299.17	.04	.00	.00	310.00
5500.	0.	5500.	0.	0.	3409.	0.	476.	102.	310.00
1.01	.00	1.61	.00	.000	.140	.000	.000	290.00	2581.75
.001671	10.	10.	10.	0	22	0	.00	473.58	3055.33

FLOW DISTRIBUTION FOR SECNO= 244.00 CWSEL= 299.13

STA= 2582. 3076.
PER Q= 100.0
AREA= 3409.0
VEL= 1.6
DEPTH= 7.2

*SECNO 245.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 100.0 1515.0 TYPE= 1 TARGET= 1415.000

245.00	9.25	299.25	291.96	.00	299.27	.03	.10	.00	292.00
5500.	1773.	3301.	427.	852.	4165.	376.	493.	105.	292.00
1.05	2.08	.79	1.14	.040	.140	.055	.000	290.00	771.46
.000302	210.	165.	200.	2	17	0	.00	743.54	1515.00

FLOW DISTRIBUTION FOR SECNO= 245.00 CWSEL= 299.25

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

STA=	771.	777.	786.	817.	928.	1396.	1408.	1452.	1461.	1493.	1509.	1515.
PER Q=	.0	.4	4.0	27.8	60.0	2.1	4.1	.3	.4	.5	.3	
AREA=	3.1	21.8	129.1	698.2	4164.9	73.1	185.1	22.0	39.1	35.3	21.1	
VEL=	.5	1.1	1.7	2.2	.8	1.6	1.2	.8	.5	.8	.8	
DEPTH=	.6	2.2	4.2	6.2	8.9	6.2	4.2	2.2	1.2	2.2	3.2	

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 250.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

250.00	9.61	299.61	294.12	.00	299.64	.03	.36	.00	294.00
5500.	466.	2042.	2992.	266.	1517.	2108.	573.	119.	294.00
1.19	1.75	1.35	1.42	.054	.140	.072	.000	290.00	2471.90
.000903	705.	740.	790.	2	14	0	.00	949.16	3451.24

FLOW DISTRIBUTION FOR SECNO= 250.00 CWSEL= 299.61

STA=	2472.	2551.	2567.	2741.	2947.	2973.	3001.	3023.	3054.	3185.	3222.	3439.	3451.
PER Q=	7.3	1.2	37.1	10.7	3.2	5.2	5.8	5.8	3.2	4.2	15.8	.4	
AREA=	193.1	73.2	1516.5	765.6	92.3	127.1	125.6	143.2	144.1	124.7	566.2	19.5	
VEL=	2.1	.9	1.3	.8	1.9	2.2	2.6	2.2	1.2	1.8	1.5	1.3	
DEPTH=	2.4	4.6	8.7	3.7	3.6	4.6	5.6	4.6	1.1	3.4	2.6	1.6	

1490 NH CARD USED
*SECNO 260.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

260.00	7.69	301.69	299.32	.00	302.04	.35	2.31	.10	300.00
5500.	5.	3125.	2371.	5.	873.	398.	634.	135.	300.00
1.26	1.04	3.58	5.96	.140	.140	.055	.000	294.00	2369.80
.012834	1035.	1025.	1020.	3	11	0	.00	373.84	2899.39

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

FLOW DISTRIBUTION FOR SECNO= 260.00 CWSEL= 301.69

STA=	2370.	2375.	2545.	2775.	2796.	2809.	2825.	2856.	2899.
PER Q=	.1	56.8	3.1	6.1	6.7	7.8	15.1	4.3	
AREA=	4.6	873.3	62.6	56.7	50.2	58.6	113.9	55.5	
VEL=	1.0	3.6	2.7	5.9	7.3	7.3	7.3	4.3	
DEPTH=	.8	5.2	.3	2.7	3.7	3.7	3.7	1.3	

1490 NH CARD USED
*SECNO 270.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

270.00	6.94	304.94	302.24	.00	305.04	.10	2.97	.03	300.00
5000.	135.	1101.	3763.	156.	927.	1317.	674.	145.	304.00
1.36	.87	1.19	2.86	.140	.140	.055	.000	298.00	2457.59
.001302	985.	965.	930.	4	11	0	.00	527.65	2985.24

FLOW DISTRIBUTION FOR SECNO= 270.00 CWSEL= 304.94

STA=	2458.	2510.	2679.	2802.	2883.	2900.	2961.	2970.	2985.
PER Q=	2.7	22.0	13.9	22.6	4.8	29.2	3.4	1.3	
AREA=	155.9	926.6	324.1	400.3	84.0	416.8	54.1	37.4	
VEL=	.9	1.2	2.1	2.8	2.8	3.5	3.1	1.7	
DEPTH=	3.0	5.5	2.6	4.9	4.9	6.8	5.9	2.5	

1490 NH CARD USED
*SECNO 280.000

280.00	6.58	306.58	304.34	.00	306.66	.08	1.61	.00	306.00
5000.	9.	678.	4313.	39.	507.	1836.	731.	164.	306.00
1.49	.22	1.34	2.35	.140	.140	.057	.000	300.00	832.22
.001915	1045.	1040.	1030.	4	14	0	.00	1118.94	1951.17

FLOW DISTRIBUTION FOR SECNO= 280.00 CWSEL= 306.58

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

STA=	832.	958.	1060.	1340.	1370.	1408.	1502.	1570.	1635.	1800.	1830.	1850.	1862.
PER Q=	.2	13.6	7.4	6.0	4.1	3.8	7.8	3.3	23.4	12.5	10.9	3.3	
AREA=	39.2	506.8	312.1	107.6	90.3	125.1	175.8	103.1	451.7	167.6	131.7	53.0	
VEL=	.2	1.3	1.2	2.8	2.3	1.5	2.2	1.6	2.6	3.7	4.2	3.1	
DEPTH=	.3	5.0	1.1	3.6	2.4	1.3	2.6	1.6	2.7	5.6	6.6	4.4	

STA=	1862.	1933.	1951.
PER Q=	3.6	.1	
AREA=	112.6	5.3	
VEL=	1.6	.5	
DEPTH=	1.6	.3	

*SECNO 285.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 306.00 ELREA= 310.00

285.00	7.46	309.46	308.24	.00	310.19	.73	3.33	.20	306.00
5000.	1667.	3333.	0.	215.	525.	0.	755.	174.	310.00
1.52	7.75	6.35	.00	.060	.140	.000	.000	302.00	603.26
.032235	665.	670.	680.	3	10	0	.00	187.78	791.04

FLOW DISTRIBUTION FOR SECNO= 285.00 CWSEL= 309.46

STA=	603.	626.	707.	792.
PER Q=	1.2	32.2	66.7	
AREA=	16.2	199.0	524.7	
VEL=	3.6	8.1	6.4	
DEPTH=	.7	2.5	6.2	

*SECNO 290.000

3265 DIVIDED FLOW

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

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

290.00	9.26	311.26	308.89	.00	311.29	.02	1.03	.07	308.00
5000.	377.	606.	4017.	277.	712.	3189.	791.	187.	310.00
1.67	1.36	.85	1.26	.040	.140	.055	.000	302.00	2502.24
.000505	645.	645.	645.	6	12	0	.00	1456.11	4112.91

FLOW DISTRIBUTION FOR SECNO= 290.00 CWSEL= 311.26

STA=	2502.	2655.	2759.	2834.	2932.	3041.	3091.	3243.	3446.	3646.	3811.	4078.	4113.
PER Q=	7.5	12.1	3.6	5.9	4.1	4.4	11.1	7.8	27.2	3.4	12.7	.2	
AREA=	277.2	712.3	170.4	253.1	210.5	165.1	436.6	297.0	852.0	175.4	606.4	22.2	
VEL=	1.4	.9	1.0	1.2	1.0	1.3	1.3	1.3	1.6	1.0	1.0	.4	
DEPTH=	1.8	6.9	2.3	2.6	1.9	3.3	2.9	1.5	4.3	1.1	2.3	.6	

1490 NH CARD USED
*SECNO 300.000

3235 SLOPE TOO STEEP, EXCEEDS .10

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 2340.0 4140.0 TYPE= 1 TARGET= 1800.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 312.00 ELREA= 314.00

300.00	5.55	311.55	311.55	.00	313.27	1.72	1.22	.51	312.00
5000.	0.	5000.	0.	0.	476.	0.	827.	199.	314.00
1.69	.00	10.51	.00	.000	.140	.000	.000	306.00	2543.03
.196297	655.	660.	670.	0	14	0	.00	141.57	2684.59

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 300.00 CWSEL= 311.55

STA= 2543. 2687.
PER Q= 100.0
AREA= 475.5
VEL= 10.5
DEPTH= 3.4

*SECNO 310.000

3301 HV CHANGED MORE THAN HVINS

3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3710 WSEL ASSUMED BASED ON MIN DIFF

3470 ENCROACHMENT STATIONS= 2460.0 4230.0 TYPE= 1 TARGET= 1770.000
CONFLUENCE WITH SYCAMORE CREEK

310.00	8.01	316.01	315.21	.00	316.01	.01	.13	.13	314.00	
5000.	32.	119.	4848.	119.	564.	7472.	886.	211.	316.00	
1.95	.27	.21	.65	.040	.140	.055	.000	308.00	2579.64	
.000053	620.	610.	600.	20	14	0	.00	1627.58	4207.22	

FLOW DISTRIBUTION FOR SECNO= 310.00 CWSEL= 316.01

STA=	2580.	2698.	2822.	2944.	3016.	3085.	3297.	3422.	3550.	3687.	4070.	4130.	4191.
PER Q=	.6	2.4	5.6	5.6	4.3	8.5	6.4	5.8	3.5	47.5	6.1	3.5	
AREA=	119.1	564.2	498.1	431.2	361.9	849.2	581.1	550.0	417.0	3026.1	420.3	306.4	
VEL=	.3	.2	.6	.7	.6	.5	.6	.5	.4	.8	.7	.6	
DEPTH=	1.0	4.6	4.1	6.0	5.2	4.0	4.6	4.3	3.0	7.9	7.0	5.0	

STA= 4191. 4207.
PER Q= .2
AREA= 30.5
VEL= .3
DEPTH= 1.9

*SECNO 320.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 950.0 2300.0 TYPE= 1 TARGET= 1350.000
CONFLUENCE WITH FORRESTER CREEK

320.00	6.10	316.10	313.00	.00	316.17	.07	.14	.02	316.00
5000.	0.	2826.	2174.	0.	1533.	913.	986.	238.	312.00
2.06	.02	1.84	2.38	.040	.140	.055	.000	310.00	987.67
.003605	665.	750.	840.	2	11	0	.00	1235.07	2222.75

FLOW DISTRIBUTION FOR SECNO= 320.00 CWSEL= 316.10

STA=	988.	1300.	1478.	1513.	1670.	1786.	1961.	2203.	2221.	2223.
PER Q=	56.5	19.9	1.3	17.6	4.4	.1	.2	.0	.0	
AREA=	1533.0	373.7	38.1	329.8	127.8	17.6	24.4	1.8	.1	
VEL=	1.8	2.7	1.7	2.7	1.7	.4	.4	.4	.2	
DEPTH=	4.9	2.1	1.1	2.1	1.1	.1	.1	.1	.1	

*SECNO 330.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 1280.0 2300.0 TYPE= 1 TARGET= 1020.000

330.00	5.40	317.40	314.90	.00	317.43	.04	1.26	.00	314.00
4500.	2190.	1299.	1012.	1347.	830.	781.	1034.	256.	314.00
2.20	1.63	1.56	1.29	.060	.085	.060	.000	312.00	1348.51
.000873	870.	780.	700.	2	13	0	.00	908.73	2257.24

FLOW DISTRIBUTION FOR SECNO= 330.00 CWSEL= 317.40

STA=	1349.	1352.	1393.	1760.	1917.	1925.	1929.	2113.	2240.	2257.
PER Q=	.0	2.9	45.8	28.9	.6	.1	12.8	8.8	.2	
AREA=	2.4	98.2	1246.1	830.1	19.9	5.6	440.7	303.0	12.2	
VEL=	.5	1.3	1.7	1.6	1.3	.9	1.3	1.3	.6	
DEPTH=	.7	2.4	3.4	5.3	2.4	1.4	2.4	2.4	.7	

*SECNO 340.000
3685 20 TRIALS ATTEMPTED WSEL,CWSEL
3710 WSEL ASSUMED BASED ON MIN DIFF

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 1200.0 2180.0 TYPE= 1 TARGET= 980.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 320.00 ELREA= 318.00

340.00	8.00	318.00	312.98	.00	318.08	.08	.68	-.19	320.00
4500.	0.	4500.	0.	0.	1926.	0.	1063.	264.	318.00
2.26	.00	2.34	.00	.000	.085	.000	.000	310.00	1433.00
.002282	520.	505.	505.	20	11	0	.00	410.11	1843.11

FLOW DISTRIBUTION FOR SECNO= 340.00 CWSEL= 318.00

STA= 1433. 1843.
PER Q= 100.0
AREA= 1925.7
VEL= 2.3
DEPTH= 4.7

*SECNO 345.000

3470 ENCROACHMENT STATIONS= 1210.0 2270.0 TYPE= 1 TARGET= 1060.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 322.00 ELREA= 324.00

345.00	6.75	318.75	315.23	.00	318.85	.10	.76	.00	322.00
4500.	0.	4500.	0.	0.	1795.	0.	1075.	267.	324.00
2.29	.00	2.51	.00	.000	.085	.000	.000	312.00	1520.33
.003265	320.	280.	250.	2	18	0	.00	450.06	1970.39

FLOW DISTRIBUTION FOR SECNO= 345.00 CWSEL= 318.75

STA= 1520. 1996.
PER Q= 100.0
AREA= 1794.6
VEL= 2.5
DEPTH= 4.0

CCHV= .300 CEHV= .500

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 355.000

3470 ENCROACHMENT STATIONS= 1370.0 2370.0 TYPE= 1 TARGET= 1000.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 322.00 ELREA= 322.00

355.00	5.87	319.87	317.65	.00	319.99	.11	1.13	.01	322.00
4500.	0.	4500.	0.	0.	1660.	0.	1086.	270.	322.00
2.32	.00	2.71	.00	.000	.085	.000	.000	314.00	1735.39
.004937	275.	285.	295.	2	11	0	.00	505.03	2240.42

FLOW DISTRIBUTION FOR SECNO= 355.00 CWSEL= 319.87

STA=	1735. 2254.
PER Q=	100.0
AREA=	1659.9
VEL=	2.7
DEPTH=	3.3

*SECNO 356.000

3470 ENCROACHMENT STATIONS= 1340.0 2290.0 TYPE= 1 TARGET= 950.000

356.00	5.18	321.18	319.26	.00	321.32	.14	1.32	.01	316.00
4500.	182.	4313.	4.	46.	1443.	3.	1095.	273.	320.00
2.34	3.94	2.99	1.29	.060	.085	.060	.000	316.00	1817.06
.005688	250.	250.	250.	2	11	0	.00	446.62	2263.68

FLOW DISTRIBUTION FOR SECNO= 356.00 CWSEL= 321.18

STA=	1817.	1822.	1829.	1836.	2258.	2264.
PER Q=	.1	1.0	2.9	95.9	.1	
AREA=	3.1	15.2	28.0	1443.2	3.2	
VEL=	.1.3	3.1	4.7	3.0	1.3	
DEPTH=	.6	2.2	4.2	3.4	.6	

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

SPECIAL BRIDGE

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	.90	1.60	2.75	.00	450.00	77.00	3112.00	2.00	318.00	318.00

*SECNO 358.000
BTCARD BRIDGE STENCL= 1340.00 STENCR= 2300.00

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

CLASS A LOW FLOW

3420 BRIDGE W.S.= 321.09 BRIDGE VELOCITY= 3.84 CALCULATED CHANNEL AREA= 1173.

EGPRS	EGLWC	H3	QWEIR	QLOW	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
.00	321.35	.03	0.	4500.	3112.	3112.	326.00	324.00	0.

3470 ENCROACHMENT STATIONS= 1340.0 2300.0 TYPE= 1 TARGET= 960.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 316.00 ELREA= 326.00

CARLTON HILLS BLVD BRIDGE (SPECIAL BRIDGE ROUTINE)

358.00	5.22	321.22	.00	.00	321.35	.14	.03	.00	316.00
4500.	228.	4272.	0.	106.	1410.	0.	1097.	273.	326.00
2.35	2.15	3.03	.00	.060	.040	.000	.000	316.00	1816.89
.001301	65.	65.	65.	0	0	0	.00	446.96	2263.85

FLOW DISTRIBUTION FOR SECNO= 358.00 CWSEL= 321.22

STA=	1817.	1822.	1829.	1850.	2278.
PER Q=	.0	.5	4.5	94.9	
AREA=	3.3	15.5	87.3	1410.2	
VEL=	.6	1.5	2.3	3.0	
DEPTH=	.6	2.2	4.2	3.4	

*SECNO 360.000

3470 ENCROACHMENT STATIONS= 1530.0 2600.0 TYPE= 1 TARGET= 1070.000

360.00	5.72	321.72	319.18	.00	321.77	.05	.38	.03	320.00
4500.	3624.	872.	5.	1994.	688.	9.	1114.	278.	320.00
2.40	1.82	1.27	.49	.060	.085	.085	.000	316.00	1570.80
.000985	335.	345.	355.	2	14	0	.00	822.88	2393.69

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 360.00 CWSEL= 321.72

STA=	1571.	1575.	1879.	1920.	1933.	2012.	2113.	2187.	2383.	2394.
PER Q=	.1	27.7	6.3	3.0	24.8	15.5	3.1	19.4	.1	
AREA=	3.6	824.6	152.2	62.7	449.6	374.2	127.1	688.2	9.2	
VEL=	.7	1.5	1.9	2.2	2.5	1.9	1.1	1.3	.5	
DEPTH=	.9	2.7	3.7	4.7	5.7	3.7	1.7	3.5	.9	

CCHV= .100 CEHV= .300
*SECNO 370.000

3470 ENCROACHMENT STATIONS= 1470.0 2820.0 TYPE= 1 TARGET= 1350.000

370.00	4.15	322.15	320.39	.00	322.21	.06	.44	.00	320.00	
4500.	3827.	650.	22.	1899.	361.	63.	1134.	286.	320.00	
2.45	2.02	1.80	.36	.060	.085	.085	.000	318.00	1476.98	
.001734	345.	345.	350.	2	13	0	.00	1172.43	2649.41	

FLOW DISTRIBUTION FOR SECNO= 370.00 CWSEL= 322.15

STA=	1477.	1573.	1630.	1725.	1835.	2155.	2204.	2234.	2326.	2649.
PER Q=	4.3	7.6	23.4	17.1	26.3	4.0	2.5	14.5	.5	
AREA=	137.2	162.0	394.4	346.6	687.6	105.6	65.4	360.9	62.5	
VEL=	1.4	2.1	2.7	2.2	1.7	1.7	1.7	1.8	.4	
DEPTH=	1.4	2.9	4.2	3.2	2.2	2.2	2.2	3.9	.2	

*SECNO 380.000

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 1540.0 2960.0 TYPE= 1 TARGET= 1420.000

380.00	4.77	322.77	321.10	.00	322.84	.07	.62	.00	320.00	
4500.	3715.	547.	238.	1694.	248.	327.	1151.	295.	320.00	
2.49	2.19	2.21	.73	.060	.085	.085	.000	318.00	1562.96	
.002189	320.	320.	320.	2	14	0	.00	1176.37	2855.80	

FLOW DISTRIBUTION FOR SECNO= 380.00 CWSEL= 322.77

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

STA=	1563.	1758.	1793.	1806.	1860.	1931.	1968.	2064.	2262.	2381.	2436.	2817.	2856.
PER Q=	12.8	11.2	3.1	7.5	10.0	5.1	6.4	9.8	16.6	12.2	5.1	.1	
AREA=	340.4	157.8	50.1	147.9	197.7	100.6	169.8	201.5	327.9	248.0	311.9	14.7	
VEL=	1.7	3.2	2.8	2.3	2.3	2.3	1.7	2.2	2.3	2.2	.7	.4	
DEPTH=	1.7	4.6	3.8	2.8	2.8	2.8	1.8	1.0	2.8	4.5	.8	.4	

*SECNO 390.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 1680.0 2740.0 TYPE= 1 TARGET= 1060.000

390.00	6.09	324.09	324.09	.00	324.18	.09	1.15	.01	324.00
4500.	3602.	893.	5.	1438.	494.	30.	1176.	308.	324.00
2.56	2.51	1.81	.16	.060	.085	.085	.000	318.00	1680.00
.002236	520.	520.	520.	0	20	0	.00	1060.00	2740.00

FLOW DISTRIBUTION FOR SECNO= 390.00 CWSEL= 324.09

STA=	1680.	1728.	1775.	1781.	1822.	1859.	1862.	1908.	2195.	2220.	2250.	2402.	2740.
PER Q=	4.1	4.2	1.0	16.1	19.6	1.0	7.8	25.5	.7	.0	19.8	.1	
AREA=	100.3	98.2	18.5	208.6	225.3	15.3	142.1	599.5	27.2	2.7	494.5	30.0	
VEL=	1.9	1.9	2.4	3.5	3.9	3.1	2.5	1.9	1.2	.2	1.8	.2	
DEPTH=	2.1	2.1	3.1	5.1	6.1	5.1	3.1	2.1	1.1	.1	3.3	.1	

*SECNO 400.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 1749.0 2605.0 TYPE= 1 TARGET= 856.000
DOWNSTREAM END MISSION CREEK DEVELOPMENT

400.00	6.51	324.51	319.30	.00	324.52	.02	.34	.01	320.00
4500.	54.	4359.	87.	65.	4106.	71.	1217.	321.	320.00
2.71	.84	1.06	1.22	.040	.075	.040	.000	318.00	1749.00
.000248	705.	540.	495.	2	17	0	.00	749.71	2558.91

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 400.00 CWSEL= 324.51

STA=	1749.	1759.	1793.	1870.	1878.	2532.	2548.	2557.	2559.
PER Q=	.0	.1	.3	.7	96.9	1.7	.2	.0	
AREA=	2.8	16.6	20.0	25.2	4105.8	57.0	13.5	.5	
VEL=	.2	.4	.7	1.3	1.1	1.3	.8	.2	
DEPTH=	.3	.5	.3	3.5	6.3	3.5	1.5	.2	

1490 NH CARD USED
*SECNO 410.000

3470 ENCROACHMENT STATIONS= 2970.0 3720.0 TYPE= 1 TARGET= 750.000

410.00	6.66	324.66	319.37	.00	324.68	.02	.16	.00	320.00
4500.	68.	4367.	65.	61.	3764.	59.	1282.	332.	320.00
2.88	1.12	1.16	1.10	.040	.065	.040	.000	318.00	3040.66
.000213	672.	700.	726.	2	17	0	.00	629.53	3670.18

FLOW DISTRIBUTION FOR SECNO= 410.00 CWSEL= 324.66

STA=	3041.	3054.	3065.	3646.	3657.	3668.	3670.
PER Q=	.3	1.2	97.0	1.1	.3	.0	
AREA=	17.4	43.2	3764.4	40.3	17.9	.8	
VEL=	.7	1.3	1.2	1.3	.8	.3	
DEPTH=	1.4	3.7	6.5	3.7	1.7	.3	

1490 NH CARD USED
*SECNO 415.000

3470 ENCROACHMENT STATIONS= 3180.0 3945.0 TYPE= 1 TARGET= 765.000

415.00	6.82	324.82	319.44	.00	324.84	.02	.16	.00	320.00
4500.	52.	4347.	101.	52.	3964.	92.	1354.	343.	320.00
3.08	1.00	1.10	1.10	.040	.065	.040	.000	318.00	3228.21
.000191	765.	780.	800.	2	17	0	.00	672.30	3900.52

FLOW DISTRIBUTION FOR SECNO= 415.00 CWSEL= 324.82

STA=	3228.	3252.	3865.	3901.
PER Q=	1.2	96.6	2.2	
AREA=	52.4	3963.7	91.6	
VEL=	1.0	1.1	1.1	
DEPTH=	2.2	6.5	2.6	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 420.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3380.0 4065.0 TYPE= 1 TARGET= 685.000

420.00	6.95	324.95	319.89	.00	324.98	.03	.14	.00	320.00
4500.	121.	4197.	182.	70.	3049.	101.	1394.	350.	320.00
3.18	1.73	1.38	1.80	.040	.075	.040	.000	318.00	3440.34
.000459	480.	480.	480.	2	14	0	.00	584.68	4025.02

FLOW DISTRIBUTION FOR SECNO= 420.00 CWSEL= 324.95

STA=	3440.	3467.	3989.	4009.	4025.
PER Q=	2.7	93.3	3.5	.6	
AREA=	70.3	3049.2	79.0	22.3	
VEL=	1.7	1.4	2.0	1.1	
DEPTH=	2.6	5.8	4.0	1.4	

*SECNO 421.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 325.00 ELREA= 328.00

421.00	1.69	325.69	325.69	.00	326.49	.79	.55	.23	325.00
4500.	7.	4493.	0.	2.	627.	0.	1411.	354.	328.00
3.19	3.21	7.16	.00	.040	.050	.000	.000	324.00	2643.36
.031062	375.	375.	375.	0	14	0	.00	399.18	3042.54

FLOW DISTRIBUTION FOR SECNO= 421.00 CWSEL= 325.69

STA=	2643.	2650.	3049.
PER Q=	.2	99.8	
AREA=	2.3	627.5	
VEL=	3.2	7.2	
DEPTH=	.3	1.6	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= .300 CEHV= .500
*SECNO 422.000

3370 NORMAL BRIDGE, NRD= 53 MIN ELTRD= 344.00 MAX ELLC= 342.00

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 326.00 ELREA= 326.00

CUYAMACA BRIDGE - UPSTREAM END MISSION CREEK DEVELOPMENT
(NORMAL BRIDGE ROUTINE)

422.00	1.92	325.92	325.92	.00	326.84	.91	.18	.06	326.00
4500.	0.	4500.	0.	0.	588.	0.	1411.	355.	326.00
3.19	.00	7.66	.00	.000	.030	.000	.000	324.00	2646.10
.012262	10.	10.	10.	0	18	0	-128.81	398.07	3044.17

FLOW DISTRIBUTION FOR SECNO= 422.00 CWSEL= 325.92

STA= 2646. 3045.
PER Q= 100.0
AREA= 587.7
VEL= 7.7
DEPTH= 1.5

*SECNO 423.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3370 NORMAL BRIDGE, NRD= 53 MIN ELTRD= 344.00 MAX ELLC= 342.00

423.00	2.98	326.98	325.92	.00	327.34	.36	.34	.16	326.00
4500.	5.	4494.	1.	4.	929.	1.	1412.	355.	326.00
3.19	1.23	4.84	.92	.040	.030	.040	.000	324.00	4636.59
.002873	65.	65.	65.	2	18	0	-208.85	410.27	5046.85

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 423.00 CWSEL= 326.98

STA=	4637.	4645.	5045.	5047.
PER Q=	.1	99.9	.0	
AREA=	4.1	928.6	1.1	
VEL=	1.2	4.8	.9	
DEPTH=	.5	2.3	.5	

1490 NH CARD USED
*SECNO 424.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

424.00	1.57	327.57	327.57	.00	328.36	.78	.07	.21	326.00
4500.	11.	4438.	51.	3.	623.	10.	1412.	355.	326.00
3.19	4.20	7.12	5.12	.050	.050	.050	.000	326.00	4655.52
.031390	10.	10.	10.	0	11	0	.00	411.69	5067.21

FLOW DISTRIBUTION FOR SECNO= 424.00 CWSEL= 327.57

STA=	4656.	4659.	5055.	5067.
PER Q=	.2	98.6	1.1	
AREA=	2.7	623.1	9.9	
VEL=	4.2	7.1	5.1	
DEPTH=	.8	1.6	.8	

1490 NH CARD USED
*SECNO 425.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4365.0 5400.0 TYPE= 1 TARGET= 1035.000

425.00	4.21	330.21	328.26	.00	330.32	.11	1.76	.20	328.00
4500.	476.	3411.	614.	218.	1191.	281.	1418.	358.	328.00
3.22	2.18	2.86	2.19	.045	.075	.045	.000	326.00	4609.03
.003435	285.	225.	215.	6	11	0	.00	746.66	5355.69

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 425.00 CWSEL= 330.21

STA=	4609.	4627.	4806.	5113.	5345.	5356.
PER Q=	.0	10.6	75.8	13.6	.0	
AREA=	1.8	216.4	1190.8	279.4	1.2	
VEL=	.4	2.2	2.9	2.2	.4	
DEPTH=	.1	1.2	3.9	1.2	.1	

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 430.000

3470 ENCROACHMENT STATIONS= 4540.0 6000.0 TYPE= 1 TARGET= 1460.000

430.00	5.65	331.65	328.97	.00	331.79	.14	1.46	.01	328.00
4500.	89.	3167.	1244.	29.	985.	499.	1436.	365.	328.00
3.26	3.05	3.21	2.50	.045	.075	.045	.000	326.00	5506.16
.002818	495.	470.	465.	5	11	0	.00	493.84	6000.00

FLOW DISTRIBUTION FOR SECNO= 430.00 CWSEL= 331.65

STA=	5506.	5511.	5521.	5705.	5718.	5850.	6000.
PER Q=	.1	1.8	70.4	2.5	11.8	13.3	
AREA=	4.1	25.1	985.3	33.6	217.8	247.1	
VEL=	1.5	3.3	3.2	3.3	2.4	2.4	
DEPTH=	.8	2.6	5.3	2.6	1.6	1.6	

1490 NH CARD USED
*SECNO 440.000

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 4030.0 5540.0 TYPE= 1 TARGET= 1510.000

440.00	5.17	333.17	330.78	.00	333.30	.13	1.51	.00	330.00
3800.	1131.	2584.	85.	420.	858.	31.	1453.	371.	330.00
3.31	2.69	3.01	2.76	.045	.075	.045	.000	328.00	4879.20
.002736	535.	545.	550.	2	8	0	.00	422.09	5308.55

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 440.00 CWSEL= 333.17

STA=	4879.	5052.	5085.	5103.	5114.	5119.	5292.	5305.	5309.
PER Q=	16.9	10.2	1.7	.1	.8	68.0	2.2	.1	
AREA=	273.9	104.3	28.1	2.2	11.1	858.4	28.9	2.0	
VEL=	2.3	3.7	2.3	1.2	2.8	3.0	2.9	1.2	
DEPTH=	1.6	3.2	1.6	.2	2.2	5.0	2.2	.6	

1490 NH CARD USED
*SECNO 450.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4030.0 5500.0 TYPE= 1 TARGET= 1470.000

450.00	5.41	333.41	329.21	.00	333.44	.03	.13	.01	330.00
3800.	35.	3761.	4.	170.	2756.	11.	1480.	378.	330.00
3.42	.21	1.36	.32	.055	.030	.055	.000	328.00	4549.95
.000081	575.	530.	545.	2	17	0	.00	745.45	5384.50

FLOW DISTRIBUTION FOR SECNO= 450.00 CWSEL= 333.41

STA=	4550.	4641.	4652.	4770.	4862.	4865.	5378.	5384.
PER Q=	.3	.1	.4	.0	.1	99.0	.1	
AREA=	64.0	14.6	82.7	2.2	6.7	2756.4	11.2	
VEL=	.2	.3	.2	.2	.4	1.4	.3	
DEPTH=	.7	1.4	.7	.0	2.4	5.4	1.7	

1490 NH CARD USED
*SECNO 460.000

3470 ENCROACHMENT STATIONS= 4025.0 5600.0 TYPE= 1 TARGET= 1575.000

460.00	5.45	333.45	329.03	.00	333.47	.02	.03	.00	330.00
3800.	5.	3791.	4.	16.	3760.	15.	1514.	386.	330.00
3.54	.30	1.01	.25	.055	.030	.055	.000	328.00	4617.95
.000044	480.	440.	425.	2	21	0	.00	722.08	5340.03

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 460.00 CWSEL= 333.45

STA=	4618.	4626.	5331.	5340.
PER Q=	.1	99.8	.1	
AREA=	16.3	3760.5	15.2	
VEL=	.3	1.0	.2	
DEPTH=	2.0	5.3	1.7	

1490 NH CARD USED
*SECNO 470.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3700.0 5250.0 TYPE= 1 TARGET= 1550.000

470.00	5.43	333.43	331.35	.00	333.58	.15	.08	.04	330.00
3800.	1598.	2180.	22.	513.	684.	10.	1543.	393.	330.00
3.59	3.12	3.19	2.26	.045	.070	.045	.000	328.00	4297.49
.002827	790.	480.	430.	2	14	0	.00	394.82	5151.46

FLOW DISTRIBUTION FOR SECNO= 470.00 CWSEL= 333.43

STA=	4297.	4307.	4346.	4372.	4384.	4424.	4436.	4914.	5002.	5146.	5151.
PER Q=	.2	3.3	2.2	2.4	14.2	1.4	.5	17.8	57.4	.6	
AREA=	6.4	55.9	38.3	28.7	135.2	21.1	13.7	213.6	683.6	9.5	
VEL=	1.4	2.2	2.2	3.1	4.0	2.5	1.4	3.2	3.2	2.3	
DEPTH=	.7	1.4	1.4	2.4	3.4	1.7	.0	2.4	4.8	1.7	

1490 NH CARD USED
*SECNO 480.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2870.0 4200.0 TYPE= 1 TARGET= 1330.000

480.00	4.48	334.48	332.35	.00	334.74	.26	1.13	.03	340.00
3800.	0.	3800.	0.	0.	925.	0.	1550.	395.	340.00
3.61	.00	4.11	.00	.000	.070	.000	.000	330.00	3884.62
.005910	305.	280.	280.	2	14	0	.00	229.99	4114.61

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 480.00 CWSEL= 334.48

STA= 3885. 4116.
PER Q= 100.0
AREA= 924.5
VEL= 4.1
DEPTH= 4.0

1490 NH CARD USED
*SECNO 483.000

3470 ENCROACHMENT STATIONS= 2900.0 4240.0 TYPE= 1 TARGET= 1340.000

483.00	5.05	335.05	332.71	.00	335.31	.26	.56	.00	340.00
3800.	0.	3800.	0.	0.	928.	0.	1552.	395.	340.00
3.62	.00	4.09	.00	.000	.070	.000	.000	330.00	3875.12
.005326	100.	100.	105.	2	14	0	.00	214.92	4090.04

FLOW DISTRIBUTION FOR SECNO= 483.00 CWSEL= 335.05

STA= 3875. 4092.
PER Q= 100.0
AREA= 928.1
VEL= 4.1
DEPTH= 4.3

*SECNO 484.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2920.0 4190.0 TYPE= 1 TARGET= 1270.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 342.00 ELREA= 342.00

484.00	5.52	335.52	334.42	.00	336.66	1.14	1.09	.26	342.00
3800.	0.	3800.	0.	0.	444.	0.	1554.	396.	342.00
3.62	.00	8.55	.00	.000	.070	.000	.000	330.00	3821.67
.021459	110.	115.	160.	2	11	0	.00	95.50	3917.17

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

FLOW DISTRIBUTION FOR SECNO= 484.00 CWSEL= 335.52

STA= 3822. 4061.
PER Q= 100.0
AREA= 444.3
VEL= 8.6
DEPTH= 4.7

*SECNO 485.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 2920.0 4180.0 TYPE= 1 TARGET= 1260.000
CHUBB LANE CROSSING

485.00	2.38	342.38	342.38	.00	342.84	.46	.24	.07	342.00
3800.	473.	3303.	24.	174.	575.	13.	1554.	396.	342.00
3.62	2.72	5.74	1.78	.045	.070	.045	.000	340.00	2920.00
.026192	10.	10.	10.	0	18	0	.00	832.58	4130.65

FLOW DISTRIBUTION FOR SECNO= 485.00 CWSEL= 342.38

STA=	2920.	2965.	3370.	3389.	3795.	4061.	4131.
PER Q=	.5	11.5	.2	.2	86.9	.6	
AREA=	9.9	155.2	3.8	5.3	575.4	13.3	
VEL=	1.9	2.8	1.8	1.8	5.7	1.8	
DEPTH=	.2	.4	.2	.0	2.2	.2	

*SECNO 486.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 2920.0 4180.0 TYPE= 1 TARGET= 1260.000

486.00	12.85	342.85	334.42	.00	342.90	.05	.02	.04	342.00
3800.	296.	3471.	33.	420.	1825.	62.	1554.	396.	342.00
3.62	.70	1.90	.54	.045	.070	.045	.000	330.00	2920.00
.000626	10.	10.	10.	2	14	0	.00	939.68	4180.00

FLOW DISTRIBUTION FOR SECNO= 486.00 CWSEL= 342.85

STA=	2920.	2965.	3370.	3413.	3795.	4061.	4180.
PER Q=	.5	6.7	.2	.3	91.3	.9	
AREA=	31.1	344.0	18.6	26.1	1825.3	61.9	
VEL=	.6	.7	.5	.5	1.9	.5	
DEPTH=	.7	.9	.4	.1	6.9	.5	

1490 NH CARD USED
*SECNO 490.000

3470 ENCROACHMENT STATIONS= 3030.0 4120.0 TYPE= 1 TARGET= 1090.000

490.00	12.93	342.93	334.58	.00	342.99	.05	.08	.00	336.00
3800.	1059.	2623.	119.	982.	1245.	216.	1564.	400.	336.00
3.65	1.08	2.11	.55	.040	.070	.075	.000	330.00	3030.00
.000383	175.	175.	175.	2	22	0	.00	1090.00	4120.00

FLOW DISTRIBUTION FOR SECNO= 490.00 CWSEL= 342.93

STA=	3030.	3464.	3687.	3749.	3781.	3798.	3905.	4120.
PER Q=	7.4	3.9	6.1	4.2	6.2	69.0	3.1	
AREA=	406.2	209.8	164.8	101.8	99.8	1244.9	216.0	
VEL=	.7	.7	1.4	1.6	2.4	2.1	.5	
DEPTH=	.9	.9	2.7	3.2	5.9	11.6	1.0	

1490 NH CARD USED
*SECNO 500.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3280.0 4190.0 TYPE= 1 TARGET= 910.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
500.00	13.01	343.01	332.39	.00	343.02	.01	.03	.00	334.00
3500.	227.	2621.	652.	410.	2944.	953.	1603.	410.	334.00
3.82	.55	.89	.68	.030	.040	.030	.000	330.00	3515.99
.000020	495.	510.	525.	2	21	0	.00	674.01	4190.00

FLOW DISTRIBUTION FOR SECNO= 500.00 CWSEL= 343.01

STA=	3516.	3752.	3767.	4005.	4024.	4113.	4175.	4190.
PER Q=	3.5	3.0	74.9	3.0	5.8	8.3	1.5	
AREA=	289.7	120.1	2943.6	129.0	358.4	383.0	82.6	
VEL=	.4	.9	.9	.8	.6	.8	.6	
DEPTH=	1.2	8.0	12.3	7.1	4.0	6.1	5.6	

1490 NH CARD USED
*SECNO 507.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

507.00	9.02	343.02	336.49	.00	343.04	.02	.02	.00	342.00
3500.	0.	3489.	11.	1.	3064.	35.	1643.	416.	342.00
3.94	.18	1.14	.31	.040	.040	.040	.000	334.00	3858.46
.000069	510.	470.	450.	2	25	0	.00	466.41	4324.87

FLOW DISTRIBUTION FOR SECNO= 507.00 CWSEL= 343.02

STA=	3858.	3861.	4290.	4325.
PER Q=	.0	99.7	.3	
AREA=	1.1	3063.7	34.8	
VEL=	.2	1.1	.3	
DEPTH=	.5	7.1	1.0	

CCHV= .300 CEHV= .500
*SECNO 508.000

3370 NORMAL BRIDGE, NRD= 49 MIN ELTRD= 352.00 MAX ELLC= 352.00

MAGNOLIA AVE BRIDGE (NORMAL BRIDGE ROUTINE)

508.00	9.02	343.02	336.49	.00	343.04	.03	.00	.00	342.00
3500.	0.	3490.	10.	1.	2562.	28.	1644.	417.	342.00
3.94	.23	1.36	.37	.040	.030	.040	.000	334.00	3858.46
.000105	10.	10.	10.	0	21	0	-509.10	466.41	4324.87

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 508.00 CWSEL= 343.02

STA=	3858.	3861.	4290.	4304.	4322.	4325.
PER Q=	.0	99.7	.1	.2	.0	
AREA=	1.1	2562.0	7.7	18.7	1.3	
VEL=	.2	1.4	.4	.4	.2	
DEPTH=	.5	6.0	.5	1.0	.5	

*SECNO 509.000

3370 NORMAL BRIDGE, NRD= 49 MIN ELTRD= 352.00 MAX ELLC= 352.00

509.00	9.02	343.02	336.49	.00	343.05	.03	.01	.00	336.00
3500.	93.	3406.	0.	102.	2488.	1.	1648.	417.	342.00
3.95	.91	1.37	.24	.040	.030	.040	.000	334.00	3858.45
.000109	65.	65.	65.	0	21	0	-509.24	466.42	4324.88

FLOW DISTRIBUTION FOR SECNO= 509.00 CWSEL= 343.02

STA=	3858.	3866.	3870.	3889.	4322.	4325.
PER Q=	.2	.2	2.3	97.3	.0	
AREA=	11.0	13.7	77.7	2487.7	1.3	
VEL=	.6	.6	1.0	1.4	.2	
DEPTH=	1.5	3.5	3.9	5.7	.5	

1490 NH CARD USED
*SECNO 510.000

3470 ENCROACHMENT STATIONS= 3864.0 4358.0 TYPE= 1 TARGET= 494.000

510.00	11.04	343.04	336.29	.00	343.05	.02	.00	.00	342.00
3500.	1.	3495.	4.	3.	3151.	12.	1649.	417.	341.00
3.96	.19	1.11	.36	.040	.040	.040	.000	332.00	3880.05
.000064	10.	10.	10.	1	13	0	.00	447.14	4327.19

FLOW DISTRIBUTION FOR SECNO= 510.00 CWSEL= 343.04

STA=	3880.	3885.	4317.	4327.
PER Q=	.0	99.9	.1	
AREA=	2.7	3150.7	12.2	
VEL=	.2	1.1	.4	
DEPTH=	.5	7.3	1.2	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 515.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3640.0 4470.0 TYPE= 1 TARGET= 830.000

515.00	11.06	343.06	333.17	.00	343.06	.00	.00	.00	334.00
3500.	809.	2641.	50.	2161.	5643.	151.	1683.	421.	334.00
4.13	.37	.47	.33	.040	.040	.040	.000	332.00	3650.08
.000006	250.	275.	350.	0	20	0	.00	816.83	4470.00

FLOW DISTRIBUTION FOR SECNO= 515.00 CWSEL= 343.06

STA=	3650.	3657.	3666.	3675.	3935.	4448.	4456.	4469.	4470.
PER Q=	.0	.2	.1	22.7	75.4	.7	.7	.0	
AREA=	10.8	35.3	22.5	2092.6	5643.1	69.3	77.6	4.0	
VEL=	.1	.2	.1	.4	.5	.4	.3	.1	
DEPTH=	1.6	4.1	2.3	8.1	11.0	8.1	6.1	5.0	

1490 NH CARD USED
*SECNO 520.000

3470 ENCROACHMENT STATIONS= 4240.0 5000.0 TYPE= 1 TARGET= 760.000

520.00	11.06	343.06	333.64	.00	343.07	.01	.00	.00	334.00
3500.	224.	3223.	54.	567.	5215.	212.	1772.	431.	334.00
4.38	.39	.62	.25	.040	.031	.040	.000	332.00	4270.18
.000007	515.	560.	590.	1	20	0	.00	653.83	4924.01

FLOW DISTRIBUTION FOR SECNO= 520.00 CWSEL= 343.06

STA=	4270.	4348.	4855.	4924.
PER Q=	6.4	92.1	1.5	
AREA=	567.3	5214.6	211.6	
VEL=	.4	.6	.3	
DEPTH=	7.3	10.3	3.1	

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

1490 NH CARD USED
*SECNO 530.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4050.0 4691.0 TYPE= 1 TARGET= 641.000

530.00	9.06	343.06	335.52	.00	343.08	.01	.01	.00	334.00
3500.	99.	3015.	386.	180.	2956.	707.	1842.	439.	334.00
4.56	.55	1.02	.55	.040	.030	.040	.000	334.00	4153.54
.000022	640.	620.	610.	0	17	0	.00	499.72	4653.26

FLOW DISTRIBUTION FOR SECNO= 530.00 CWSEL= 343.06

STA=	4154.	4160.	4175.	4183.	4190.	4525.	4590.	4648.	4653.
PER Q=	.1	.8	.8	1.1	1.4	6.5	3.0	.1	
AREA=	9.7	60.5	51.5	58.1	71.8	391.1	234.9	8.8	
VEL=	.2	.4	.6	.7	.7	.6	.4	.2	
DEPTH=	1.6	4.1	6.1	8.1	.2	6.1	4.1	1.5	

1490 NH CARD USED
*SECNO 535.000

3470 ENCROACHMENT STATIONS= 2070.0 2600.0 TYPE= 1 TARGET= 530.000

535.00	9.06	343.06	335.68	.00	343.09	.02	.01	.00	336.00
3500.	22.	3228.	250.	44.	2628.	422.	1864.	442.	336.00
4.63	.49	1.23	.59	.040	.031	.040	.000	334.00	2104.88
.000034	290.	280.	275.	0	21	0	.00	418.15	2523.03

FLOW DISTRIBUTION FOR SECNO= 535.00 CWSEL= 343.06

STA=	2105.	2114.	2117.	2120.	2411.	2445.	2479.	2515.	2523.
PER Q=	.1	.2	.3	92.2	4.2	2.1	.8	.0	
AREA=	13.5	15.0	15.8	2627.6	206.8	135.4	75.8	4.2	
VEL=	.3	.5	.6	1.2	.7	.6	.4	.1	
DEPTH=	1.6	4.1	6.1	9.0	6.1	4.1	2.1	.5	

1490 NH CARD USED

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 540.000

540.00	9.08	343.08	335.52	.00	343.10	.02	.01	.00	336.00
3500.	96.	3323.	81.	167.	3064.	154.	1890.	445.	336.00
4.72	.58	1.08	.53	.040	.030	.040	.000	334.00	2020.56
.000026	365.	350.	335.	0	20	0	.00	417.98	2438.54

FLOW DISTRIBUTION FOR SECNO= 540.00 CWSEL= 343.08

STA=	2021.	2028.	2035.	2056.	2395.	2410.	2417.	2432.	2439.
PER Q=	.1	.4	2.3	94.9	1.7	.4	.3	.0	
AREA=	10.8	31.4	124.5	3063.9	92.3	26.1	31.7	3.5	
VEL=	.2	.5	.6	1.1	.6	.5	.3	.1	
DEPTH=	1.5	4.1	6.1	9.0	6.1	4.1	2.1	.5	

1490 NH CARD USED

*SECNO 550.000

550.00	9.09	343.09	335.81	.00	343.12	.02	.02	.00	336.00
3500.	310.	3061.	129.	434.	2348.	229.	1938.	451.	336.00
4.87	.71	1.30	.56	.040	.030	.040	.000	334.00	1802.78
.000038	645.	650.	655.	0	21	0	.00	416.60	2219.38

FLOW DISTRIBUTION FOR SECNO= 550.00 CWSEL= 343.09

STA=	1803.	1828.	1832.	1894.	2153.	2157.	2199.	2214.	2219.
PER Q=	.3	.2	8.3	87.4	.4	2.9	.3	.0	
AREA=	39.1	14.8	380.5	2348.5	21.3	174.6	30.6	3.0	
VEL=	.3	.5	.8	1.3	.7	.6	.4	.2	
DEPTH=	1.5	4.1	6.1	9.1	6.1	4.1	2.1	.5	

1490 NH CARD USED

*SECNO 560.000

560.00	9.12	343.12	335.84	.00	343.14	.02	.02	.00	336.00
3500.	163.	2615.	722.	323.	2351.	1172.	1985.	458.	336.00
5.04	.51	1.11	.62	.050	.031	.040	.000	334.00	1576.87
.000029	605.	600.	595.	0	21	0	.00	592.98	2169.85

FLOW DISTRIBUTION FOR SECNO= 560.00 CWSEL= 343.12

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

STA=	1577.	1585.	1592.	1638.	1898.	2061.	2072.	2121.	2170.
PER Q=	.1	.3	4.3	74.7	18.9	.7	1.0	.1	
AREA=	13.3	27.6	281.8	2351.1	994.7	45.2	104.6	27.0	
VEL=	.2	.4	.5	1.1	.7	.5	.3	.1	
DEPTH=	1.6	4.1	6.1	9.0	6.1	4.1	2.1	.6	

1490 NH CARD USED

*SECNO 562.000

562.00	9.13	343.13	335.83	.00	343.15	.01	.01	.00	336.00
3500.	208.	2019.	1273.	432.	1852.	1892.	2011.	462.	336.00
5.12	.48	1.09	.67	.050	.031	.040	.000	334.00	1095.28
.000027	280.	280.	285.	0	21	0	.00	655.44	1750.72

FLOW DISTRIBUTION FOR SECNO= 562.00 CWSEL= 343.13

STA=	1095.	1181.	1385.	1453.	1485.	1556.	1633.	1751.
PER Q=	5.9	57.7	12.4	7.0	10.4	3.9	2.8	
AREA=	431.9	1851.6	553.8	288.6	506.4	287.3	255.7	
VEL=	.5	1.1	.8	.8	.7	.5	.4	
DEPTH=	5.0	9.1	8.1	9.1	7.1	3.7	2.2	

1490 NH CARD USED

*SECNO 564.000

564.00	9.14	343.14	335.88	.00	343.15	.01	.01	.00	336.00
3500.	310.	2400.	790.	630.	2495.	1330.	2033.	466.	336.00
5.20	.49	.96	.59	.050	.034	.040	.000	334.00	933.84
.000026	220.	220.	220.	0	21	0	.00	675.06	1608.91

FLOW DISTRIBUTION FOR SECNO= 564.00 CWSEL= 343.14

STA=	934.	943.	960.	1053.	1332.	1507.	1540.	1592.	1609.
PER Q=	.0	.5	8.4	68.6	19.6	1.9	1.0	.0	
AREA=	5.4	51.8	572.8	2495.1	1072.6	136.2	111.9	9.6	
VEL=	.1	.3	.5	1.0	.6	.5	.3	.1	
DEPTH=	.6	3.1	6.1	8.9	6.1	4.1	2.1	.6	

*SECNO 566.000

566.00	9.14	343.14	335.83	.00	343.17	.03	.01	.00	338.00
3500.	57.	3346.	97.	253.	2522.	255.	2057.	469.	338.00
5.26	.23	1.33	.38	.085	.030	.060	.000	334.00	871.96
.000040	280.	280.	280.	0	21	0	.00	470.27	1342.23

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 566.00 CWSEL= 343.14

STA=	872.	972.	1258.	1342.
PER Q=	1.6	95.6	2.8	
AREA=	253.2	2522.0	255.5	
VEL=	.2	1.3	.4	
DEPTH=	2.5	8.8	3.0	

*SECNO 570.000

570.00	9.14	343.14	336.17	.00	343.19	.05	.01	.01	336.00
3500.	35.	3338.	127.	144.	1823.	239.	2073.	472.	336.00
5.30	.24	1.83	.53	.085	.030	.060	.000	334.00	1545.41
.000072	285.	280.	280.	1	14	0	.00	372.60	1918.00

FLOW DISTRIBUTION FOR SECNO= 570.00 CWSEL= 343.14

STA=	1545.	1557.	1580.	1627.	1635.	1638.	1643.	1843.	1861.	1868.	1915.	1918.
PER Q=	.0	.1	.3	.1	.1	.4	95.4	2.1	.5	1.0	.0	
AREA=	6.3	27.2	53.9	16.7	12.4	27.6	1823.2	106.9	29.8	100.5	1.8	
VEL=	.1	.2	.2	.2	.3	.5	1.8	.7	.5	.4	.1	
DEPTH=	.6	1.1	1.1	2.1	4.1	6.1	9.1	6.1	4.1	2.1	.6	

*SECNO 572.000

572.00	9.16	343.16	336.01	.00	343.20	.04	.01	.00	336.00
3500.	135.	3269.	96.	321.	2041.	196.	2084.	474.	336.00
5.34	.42	1.60	.49	.085	.030	.060	.000	334.00	773.74
.000055	200.	187.	178.	1	17	0	.00	330.17	1103.91

FLOW DISTRIBUTION FOR SECNO= 572.00 CWSEL= 343.16

STA=	774.	781.	784.	832.	1056.	1063.	1097.	1102.	1104.
PER Q=	.1	.1	3.7	93.4	.7	1.9	.1	.0	
AREA=	13.0	13.3	294.9	2041.2	42.5	142.6	10.1	1.1	
VEL=	.2	.3	.4	1.6	.6	.5	.3	.1	
DEPTH=	1.8	4.2	6.2	9.1	6.2	4.2	2.2	.6	

*SECNO 574.000

574.00	9.19	343.19	335.65	.00	343.21	.02	.01	.00	336.00
3500.	31.	3402.	67.	115.	2712.	177.	2096.	475.	336.00
5.38	.27	1.25	.38	.085	.030	.060	.000	334.00	718.64
.000034	210.	200.	190.	1	21	0	.00	368.23	1086.87

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 574.00 CWSEL= 343.19

STA=	719.	726.	742.	748.	1044.	1049.	1081.	1085.	1087.
PER Q=	.0	.5	.3	97.2	.4	1.4	.1	.0	
AREA=	10.7	67.3	36.5	2712.3	32.1	135.1	8.5	1.1	
VEL=	.1	.3	.3	1.3	.5	.4	.2	.1	
DEPTH=	1.6	4.2	6.2	9.2	6.2	4.2	2.2	.6	

*SECNO 576.000

576.00	9.18	343.18	336.04	.00	343.22	.04	.01	.00	338.00
3500.	28.	3272.	200.	85.	2037.	435.	2107.	477.	338.00
5.41	.33	1.61	.46	.085	.030	.060	.000	334.00	709.37
.000057	190.	170.	165.	1	17	0	.00	369.24	1078.61

FLOW DISTRIBUTION FOR SECNO= 576.00 CWSEL= 343.18

STA=	709.	714.	733.	959.	1049.	1076.	1079.
PER Q=	.0	.8	93.5	5.2	.5	.0	
AREA=	4.8	80.4	2036.9	375.0	58.7	1.8	
VEL=	.1	.3	1.6	.5	.3	.1	
DEPTH=	1.0	4.2	9.0	4.2	2.2	.6	

*SECNO 582.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

582.00	7.19	343.19	338.06	.00	343.26	.07	.03	.01	338.00
3500.	18.	3294.	188.	44.	1543.	414.	2124.	480.	338.00
5.46	.42	2.13	.45	.085	.030	.060	.000	336.00	681.54
.000136	335.	330.	310.	0	17	0	.00	461.68	1143.22

FLOW DISTRIBUTION FOR SECNO= 582.00 CWSEL= 343.19

STA=	682.	693.	698.	914.	920.	1044.	1107.	1141.	1143.
PER Q=	.2	.3	94.1	.5	3.8	.7	.4	.0	
AREA=	21.7	21.8	1542.9	22.7	274.0	75.4	40.4	1.5	
VEL=	.3	.5	2.1	.7	.5	.3	.3	.2	
DEPTH=	1.9	4.2	7.1	4.2	2.2	1.2	1.2	.6	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 584.000

584.00	7.23	343.23	338.04	.00	343.28	.05	.02	.00	338.00
3500.	111.	3133.	255.	239.	1610.	464.	2134.	482.	338.00
5.49	.47	1.95	.55	.085	.030	.060	.000	336.00	566.36
.000112	210.	200.	190.	2	14	0	.00	471.91	1038.26

FLOW DISTRIBUTION FOR SECNO= 584.00 CWSEL= 343.23

STA=	566.	574.	581.	633.	858.	993.	1038.
PER Q=	.0	.2	3.0	89.5	7.1	.2	
AREA=	4.4	17.2	217.9	1610.2	435.6	28.1	
VEL=	.1	.3	.5	1.9	.6	.2	
DEPTH=	.6	2.2	4.2	7.2	3.2	.6	

*SECNO 586.000

586.00	7.25	343.25	338.28	.00	343.31	.05	.02	.00	338.00
3500.	107.	2815.	578.	253.	1362.	858.	2146.	484.	338.00
5.52	.42	2.07	.67	.085	.030	.060	.000	336.00	495.60
.000126	205.	205.	205.	0	17	0	.00	521.31	1016.91

FLOW DISTRIBUTION FOR SECNO= 586.00 CWSEL= 343.25

STA=	496.	507.	583.	773.	930.	1013.	1017.
PER Q=	.0	3.0	80.4	13.9	2.6	.0	
AREA=	7.2	246.2	1362.5	667.5	187.8	2.6	
VEL=	.1	.4	2.1	.7	.5	.2	
DEPTH=	.6	3.3	7.2	4.3	2.3	.6	

*SECNO 592.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 345.0 800.0 TYPE= 1 TARGET= 455.000

592.00	7.28	343.28	339.06	.00	343.39	.11	.07	.02	338.00
3500.	120.	2967.	414.	167.	1038.	477.	2164.	488.	338.00
5.56	.71	2.86	.87	.085	.030	.060	.000	336.00	398.38
.000261	375.	380.	385.	1	18	0	.00	351.91	750.29

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

FLOW DISTRIBUTION FOR SECNO= 592.00 CWSEL= 343.28

STA=	398.	403.	409.	444.	598.	602.	671.	724.	748.	750.
PER Q=	.0	.2	3.2	84.8	.5	5.8	4.4	1.1	.0	
AREA=	2.9	13.3	151.1	1038.1	18.9	227.8	174.8	54.1	1.5	
VEL=	.2	.5	.7	2.9	1.0	.9	.9	.7	.3	
DEPTH=	.6	2.3	4.3	6.8	4.3	3.3	3.3	2.3	.6	

*SECNO 594.000

3235 SLOPE TOO STEEP, EXCEEDS .10

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

594.00	2.88	342.88	342.88	.00	344.13	1.25	.22	.34	342.00
3500.	12.	3477.	11.	3.	387.	2.	2169.	489.	342.00
5.57	4.56	8.99	5.24	.075	.125	.065	.000	340.00	624.68
.160907	230.	230.	230.	0	18	0	.00	159.83	784.51

FLOW DISTRIBUTION FOR SECNO= 594.00 CWSEL= 342.88

STA=	625.	631.	780.	785.
PER Q=	.3	99.4	.3	
AREA=	2.6	386.9	2.0	
VEL=	4.6	9.0	5.2	
DEPTH=	.4	2.6	.4	

*SECNO 600.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 600.0 1050.0 TYPE= 1 TARGET= 450.000

600.00	5.60	347.60	344.47	.00	347.78	.17	3.54	.11	346.00
3500.	22.	3469.	8.	14.	1032.	5.	2172.	490.	346.00
5.58	1.61	3.36	1.82	.075	.125	.065	.000	342.00	761.63
.009032	145.	150.	155.	6	11	0	.00	223.28	984.91

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 600.00 CWSEL= 347.60

STA=	762.	779.	979.	985.
PER Q=	.6	99.1	.2	
AREA=	13.7	1031.8	4.6	
VEL=	1.6	3.4	1.8	
DEPTH=	.8	5.2	.8	

*SECNO 610.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 200.0 652.3 TYPE= 1 TARGET= 452.300

610.00	6.97	348.97	344.07	.00	349.02	.05	1.23	.01	346.00
3500.	18.	3469.	12.	14.	1866.	9.	2182.	492.	346.00
5.63	1.32	1.86	1.45	.075	.125	.065	.000	342.00	310.93
.002171	295.	315.	355.	5	18	0	.00	317.52	628.45

FLOW DISTRIBUTION FOR SECNO= 610.00 CWSEL= 348.97

STA=	311.	314.	320.	623.	627.	628.
PER Q=	.0	.5	99.1	.3	.0	
AREA=	1.3	12.4	1866.0	7.7	.8	
VEL=	.5	1.4	1.9	1.5	.6	
DEPTH=	.5	2.0	6.2	2.0	.5	

*SECNO 620.000

3470 ENCROACHMENT STATIONS= 250.0 750.0 TYPE= 1 TARGET= 500.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 364.00 ELREA= 364.00

620.00	6.07	350.07	346.12	.00	350.15	.08	1.12	.01	364.00
3500.	0.	3500.	0.	0.	1566.	0.	2198.	495.	364.00
5.68	.00	2.24	.00	.000	.125	.000	.000	344.00	413.58
.003861	395.	395.	395.	2	17	0	.00	296.12	709.70

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 620.00 CWSEL= 350.07

STA=	414.	732.
PER Q=	100.0	
AREA=	1565.8	
VEL=	2.2	
DEPTH=	5.3	

*SECNO 630.000

3470 ENCROACHMENT STATIONS= 300.0 805.0 TYPE= 1 TARGET= 505.000

630.00	7.00	351.00	346.72	.00	351.07	.07	.92	.00	348.00
3500.	26.	3424.	50.	16.	1586.	25.	2208.	497.	348.00
5.71	1.63	2.16	1.97	.075	.125	.065	.000	344.00	435.76
.003154	235.	265.	295.	2	14	0	.00	296.26	732.02

FLOW DISTRIBUTION FOR SECNO= 630.00 CWSEL= 351.00

STA=	436.	438.	446.	718.	730.	732.
PER Q=	.0	.7	97.8	1.4	.0	
AREA=	1.3	14.4	1585.8	24.4	.9	
VEL=	.7	1.7	2.2	2.0	.7	
DEPTH=	.5	2.0	5.8	2.0	.5	

*SECNO 640.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

FINAL CROSS SECTION - APPROX. 200 FT. DOWNSTREAM RIVERFORD BRIDGE

640.00	6.71	352.71	349.21	.00	352.95	.24	1.83	.05	350.00
3500.	20.	3457.	23.	9.	867.	9.	2218.	498.	350.00
5.74	2.33	3.99	2.69	.075	.125	.065	.000	346.00	427.59
.010321	345.	350.	355.	2	14	0	.00	156.40	583.99

FLOW DISTRIBUTION FOR SECNO= 640.00 CWSEL= 352.71

STA=	428.	434.	578.	584.
PER Q=	.6	98.8	.7	
AREA=	8.5	867.4	8.7	
VEL=	2.3	4.0	2.7	
DEPTH=	1.4	6.0	1.4	

T1 SAN DIEGO RIVER
T2 CITY OF SANTEE
T3 50 YEAR FLOOD (FEMA)

	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
J1		3			-1				277	

	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
J2	2	0	-1				-1			15

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

*PROF 2

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS
0

CCHV= .100 CEHV= .300
*SECNO 100.000
3720 CRITICAL DEPTH ASSUMED
MISSION DAM - DOWNSTREAM LIMIT OF STUDY (SUB-CRITICAL FLOW ASSUMED)

100.00	7.12	277.12	277.12	277.00	279.99	2.87	.00	.00	280.00
19000.	0.	19000.	0.	0.	1398.	0.	0.	0.	280.00
.00	.00	13.60	.00	.000	.180	.000	.000	270.00	350.09
.266558	0.	0.	0.	0	4	0	.00	243.88	593.98

FLOW DISTRIBUTION FOR SECNO= 100.00 CWSEL= 277.12

STA= 350. 601.
PER Q= 100.0
AREA= 1397.5
VEL= 13.6
DEPTH= 5.7

*SECNO 110.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

110.00	10.04	284.04	281.12	.00	285.12	1.07	4.95	.18	280.00
19000.	620.	18267.	112.	68.	2201.	17.	2.	0.	280.00
.00	9.11	8.30	6.75	.080	.180	.080	.000	274.00	313.86
.059709	45.	45.	45.	4	5	0	.00	294.65	608.51

FLOW DISTRIBUTION FOR SECNO= 110.00 CWSEL= 284.04

STA=	314.	319.	340.	600.	609.
PER Q=		.1	3.1	96.1	.6
AREA=		5.3	62.7	2201.0	16.6
VEL=		4.5	9.5	8.3	6.8
DEPTH=		1.0	3.0	8.4	2.0

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

*SECNO 120.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

120.00	12.52	286.52	281.27	.00	287.16	.64	2.00	.04	280.00
19000.	1038.	17271.	691.	136.	2719.	110.	5.	1.	280.00
.00	7.66	6.35	6.31	.080	.180	.080	.000	274.00	317.15
.024478	55.	55.	55.	4	19	0	.00	318.94	636.08

FLOW DISTRIBUTION FOR SECNO= 120.00 CWSEL= 286.52

STA=	317.	327.	341.	355.	603.	636.
PER Q=	.2	1.7	3.5	90.9	3.6	
AREA=	12.8	49.3	73.4	2718.6	109.5	
VEL=	3.7	6.7	9.0	6.4	6.3	
DEPTH=	1.3	3.5	5.5	11.0	3.3	

*SECNO 130.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

130.00	16.85	292.85	284.03	.00	293.18	.33	5.99	.03	280.00
19000.	1702.	13602.	3696.	355.	3378.	582.	49.	5.	280.00
.04	4.79	4.03	6.35	.080	.180	.080	.000	276.00	280.93
.006670	520.	520.	520.	5	14	0	.00	383.10	664.03

FLOW DISTRIBUTION FOR SECNO= 130.00 CWSEL= 292.85

STA=	281.	341.	353.	584.	600.	612.	628.	654.	664.
PER Q=	5.2	3.7	71.6	7.9	4.3	3.9	3.2	.1	
AREA=	244.0	111.1	3377.5	190.7	119.1	123.9	133.6	15.0	
VEL=	4.1	6.4	4.0	7.8	6.9	6.0	4.6	1.9	
DEPTH=	4.0	9.6	14.7	11.8	9.8	7.8	5.1	1.4	

CCHV= .300 CEHV= .500

*SECNO 140.000

140.00	20.23	296.23	285.22	.00	296.50	.27	3.30	.02	284.00
19000.	946.	15919.	2135.	210.	4036.	378.	106.	9.	284.00
.07	4.50	3.94	5.65	.080	.180	.080	.000	276.00	191.42
.005329	555.	555.	555.	3	11	0	.00	343.42	534.84

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 140.00 CWSEL= 296.23

STA=	191.	209.	218.	230.	233.	237.	243.	482.	498.	508.	515.	535.
PER Q=	.2	.2	.9	.5	1.1	2.0	83.8	6.1	2.9	1.4	.9	
AREA=	19.9	19.2	52.5	20.2	38.8	59.5	4036.2	170.7	93.2	52.1	62.1	
VEL=	1.5	2.3	3.4	4.4	5.6	6.5	3.9	6.8	5.9	4.9	2.8	
DEPTH=	1.1	2.2	4.2	7.2	9.2	11.2	16.8	11.2	9.2	7.2	3.1	

*SECNO 150.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 108.5 1170.0 TYPE= 1 TARGET= 1061.500

150.00	17.82	297.82	284.74	.00	297.90	.08	1.34	.06	290.00
19000.	104.	16554.	2342.	67.	7669.	782.	193.	17.	290.00
.14	1.56	2.16	2.99	.080	.160	.035	.000	280.00	256.50
.001294	555.	580.	555.	3	17	0	.00	820.50	1077.00

FLOW DISTRIBUTION FOR SECNO= 150.00 CWSEL= 297.82

STA=	257.	274.	738.	751.	759.	870.	895.	1042.	1077.
PER Q=	.5	87.1	2.4	.9	5.0	.5	3.2	.2	
AREA=	66.8	7668.7	85.2	38.5	314.6	44.1	268.4	31.4	
VEL=	1.6	2.2	5.4	4.3	3.0	2.3	2.3	1.4	
DEPTH=	3.9	16.5	6.8	4.8	2.8	1.8	1.8	.9	

1490 NH CARD USED
*SECNO 160.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

160.00	16.34	298.34	292.31	.00	298.40	.06	.50	.01	292.00
19000.	16684.	2230.	86.	8659.	1107.	95.	357.	34.	290.00
.25	1.93	2.01	.91	.073	.080	.080	.000	282.00	393.87
.000385	900.	670.	670.	3	25	0	.00	1004.06	1435.07

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 160.00 CWSEL= 298.34

STA=	394.	497.	524.	590.	638.	1193.	1331.	1412.	1435.
PER Q=	15.9	4.9	13.2	7.2	44.5	2.2	11.7	.5	
AREA=	910.8	414.2	1070.4	654.7	5210.5	398.6	1107.3	95.0	
VEL=	3.3	2.2	2.3	2.1	1.6	1.0	2.0	.9	
DEPTH=	8.8	15.3	16.3	13.7	9.4	2.9	13.6	4.2	

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 170.000

3470 ENCROACHMENT STATIONS= .0 2100.0 TYPE= 1 TARGET= 2099.999

170.00	14.46	298.46	292.01	.00	298.50	.04	.10	.00	292.00
19000.	14903.	1178.	2918.	8521.	756.	2245.	436.	43.	290.00
.31	1.75	1.56	1.30	.060	.080	.061	.000	284.00	424.65
.000259	325.	320.	315.	2	23	0	.00	1578.05	2002.70

FLOW DISTRIBUTION FOR SECNO= 170.00 CWSEL= 298.46

STA=	425.	530.	570.	744.	772.	814.	843.	978.	1483.	1544.	1725.	1820.	2003.
PER Q=	3.1	5.0	32.0	3.7	7.0	3.3	6.6	17.8	6.2	8.1	5.0	2.2	
AREA=	374.0	361.5	2000.8	397.9	686.3	378.5	1056.8	3265.8	756.4	1352.3	515.3	377.3	
VEL=	1.6	2.6	3.0	1.7	1.9	1.7	1.2	1.0	1.6	1.1	1.9	1.1	
DEPTH=	3.5	9.2	11.5	14.3	16.5	13.2	7.8	6.5	12.4	7.5	5.5	2.1	

1490 NH CARD USED
*SECNO 180.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= .0 2000.0 TYPE= 1 TARGET= 1999.999

180.00	12.53	298.53	292.06	.00	298.58	.05	.08	.00	292.00
19000.	16773.	2015.	212.	9147.	2386.	311.	580.	61.	290.00
.39	1.83	.84	.68	.036	.080	.040	.000	286.00	542.29
.000091	529.	550.	570.	2	15	0	.00	1364.71	1907.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 180.00 CWSEL= 298.53

STA=	542.	647.	703.	1032.	1053.	1109.	1308.	1530.	1759.	1907.
PER Q=	5.5	8.2	55.4	3.1	6.0	5.4	4.7	10.6	1.1	
AREA=	652.2	645.9	4123.5	242.2	533.9	1499.1	1450.4	2386.1	310.6	
VEL=	1.6	2.4	2.6	2.4	2.1	.7	.6	.8	.7	
DEPTH=	6.2	11.5	12.5	11.5	9.5	7.5	6.5	10.4	2.1	

1490 NH CARD USED
*SECNO 190.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

190.00	12.58	298.58	293.27	.00	298.61	.03	.03	.00	296.00
19000.	17607.	1376.	17.	11792.	2575.	65.	733.	77.	290.00
.49	1.49	.53	.26	.030	.080	.080	.000	286.00	470.63
.000034	505.	505.	505.	2	11	0	.00	1354.17	1824.79

FLOW DISTRIBUTION FOR SECNO= 190.00 CWSEL= 298.58

STA=	471.	978.	1037.	1375.	1428.	1576.	1810.	1825.
PER Q=	47.2	6.0	35.0	3.6	.9	7.2	.1	
AREA=	5852.4	731.9	4253.3	514.0	440.6	2574.6	64.7	
VEL=	1.5	1.6	1.6	1.3	.4	.5	.3	
DEPTH=	11.5	12.6	12.6	9.6	3.0	11.0	4.3	

1490 NH CARD USED
*SECNO 200.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

200.00	12.64	298.64	296.07	.00	298.67	.03	.06	.00	296.00
19000.	14981.	1208.	2811.	11706.	1143.	1421.	971.	101.	294.00
.64	1.28	1.06	1.98	.124	.125	.041	.000	286.00	405.66
.000422	720.	740.	750.	1	17	0	.00	1498.28	1920.35

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 200.00 CWSEL= 298.64

STA=	406.	976.	1203.	1407.	1440.	1563.	1666.	1771.	1908.	1920.
PER Q=	39.3	20.1	17.9	1.5	6.4	3.5	4.2	6.8	.3	
AREA=	5982.8	2878.5	2570.3	274.1	1142.5	357.4	413.6	618.2	32.0	
VEL=	1.2	1.3	1.3	1.0	1.1	1.9	1.9	2.1	1.5	
DEPTH=	10.5	12.6	12.6	8.4	9.3	3.5	3.9	4.5	2.5	

1490 NH CARD USED
*SECNO 209.000

209.00	12.86	298.86	294.41	.00	298.90	.04	.23	.00	298.00
19000.	13259.	3259.	2482.	8179.	2299.	1228.	1096.	115.	294.00
.71	1.62	1.42	2.02	.125	.125	.040	.000	286.00	462.86
.000731	430.	390.	365.	2	14	0	.00	1542.50	2005.36

FLOW DISTRIBUTION FOR SECNO= 209.00 CWSEL= 298.86

STA=	463.	554.	673.	779.	1081.	1151.	1226.	1233.	1479.	1655.	1934.	2005.
PER Q=	3.1	9.1	11.1	36.0	7.3	3.1	.0	17.2	8.8	4.1	.1	
AREA=	532.3	1171.0	1258.0	3881.5	827.6	494.1	14.1	2298.6	679.6	518.1	30.4	
VEL=	1.1	1.5	1.7	1.8	1.7	1.2	.5	1.4	2.5	1.5	.6	
DEPTH=	5.8	9.9	11.9	12.9	11.9	6.6	1.9	9.4	3.9	1.9	.4	

1490 NH CARD USED
*SECNO 210.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

210.00	12.53	298.53	294.42	.00	299.06	.53	.02	.15	298.00
19000.	319.	11254.	7427.	411.	2219.	1063.	1098.	115.	294.00
.71	.78	5.07	6.99	.125	.125	.040	.000	286.00	463.66
.009800	10.	10.	10.	2	14	0	.00	1515.00	1978.66

FLOW DISTRIBUTION FOR SECNO= 210.00 CWSEL= 298.53

STA=	464.	1233.	1479.	1655.	1934.	1979.
PER Q=	1.7	59.2	28.0	11.0	.1	
AREA=	411.1	2219.3	622.8	428.1	11.8	
VEL=	.8	5.1	8.5	4.9	1.5	
DEPTH=	.5	9.0	3.5	1.5	.3	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 211.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

211.00	13.09	299.09	294.45	.00	299.13	.04	.02	.05	298.00
19000.	13062.	3232.	2706.	8359.	2356.	1353.	1099.	116.	294.00
.71	1.56	1.37	2.00	.125	.125	.040	.000	286.00	462.27
.000662	10.	10.	10.	2	12	0	.00	1562.44	2024.72

FLOW DISTRIBUTION FOR SECNO= 211.00 CWSEL= 299.09

STA=	462.	554.	673.	779.	1081.	1151.	1226.	1233.	1479.	1655.	1934.	2025.
PER Q=	3.2	9.0	10.9	35.3	7.2	3.1	.0	17.0	9.3	4.8	.2	
AREA=	553.8	1198.8	1282.8	3952.1	843.9	511.6	15.9	2356.0	720.8	583.3	49.3	
VEL=	1.1	1.4	1.6	1.7	1.6	1.2	.5	1.4	2.4	1.6	.6	
DEPTH=	6.0	10.1	12.1	13.1	12.1	6.8	2.1	9.6	4.1	2.1	.5	

*SECNO 220.000

220.00	11.72	299.72	293.82	.00	299.88	.17	.72	.04	292.00
19000.	2460.	4298.	12243.	759.	3375.	3275.	1280.	144.	292.00
.78	3.24	1.27	3.74	.040	.200	.040	.000	288.00	512.27
.001267	830.	810.	770.	3	15	0	.00	1556.57	2068.84

FLOW DISTRIBUTION FOR SECNO= 220.00 CWSEL= 299.72

STA=	512.	652.	736.	746.	1065.	1378.	1494.	1687.	1873.	2069.
PER Q=	3.6	7.8	1.6	22.6	52.1	3.7	3.3	3.2	2.1	
AREA=	295.1	400.1	63.8	3375.1	2101.6	274.2	332.6	319.2	247.0	
VEL=	2.3	3.7	4.6	1.3	4.7	2.6	1.9	1.9	1.6	
DEPTH=	2.1	4.7	6.7	10.6	6.7	2.4	1.7	1.7	1.3	

*SECNO 230.000

3470 ENCROACHMENT STATIONS= 825.0 2050.0 TYPE= 1 TARGET= 1225.000

230.00	12.31	300.31	295.61	.00	300.51	.20	.62	.01	292.00
19000.	991.	2831.	15178.	284.	2217.	3902.	1359.	160.	292.00
.82	3.49	1.28	3.89	.040	.200	.040	.000	288.00	860.28
.001209	465.	490.	505.	2	14	0	.00	1189.72	2050.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 230.00 CWSEL= 300.31

STA=	860.	940.	941.	1143.	1280.	1427.	1544.	1826.	2021.	2050.
PER Q=	5.0	.2	14.9	25.8	21.5	17.1	9.5	5.4	.7	
AREA=	272.5	11.7	2217.5	1005.9	926.4	734.5	718.2	450.3	66.3	
VEL=	3.5	3.6	1.3	4.9	4.4	4.4	2.5	2.3	2.1	
DEPTH=	3.4	7.3	11.0	7.3	6.3	6.3	2.5	2.3	2.3	

*SECNO 239.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2370.0 3040.0 TYPE= 1 TARGET= 670.000

239.00	11.09	301.09	295.05	.00	301.53	.44	.94	.07	294.00
19000.	1099.	9080.	8821.	145.	3516.	1291.	1415.	169.	294.00
.85	7.56	2.58	6.84	.040	.200	.040	.000	290.00	2370.00
.005096	400.	420.	440.	2	14	0	.00	670.00	3040.00

FLOW DISTRIBUTION FOR SECNO= 239.00 CWSEL= 301.09

STA=	2370.	2385.	2399.	2724.	2732.	2742.	2758.	2827.	2869.	3000.	3040.
PER Q=	2.1	3.7	47.8	2.0	1.5	1.5	10.1	8.9	19.0	3.5	
AREA=	64.9	80.4	3516.3	43.2	43.8	49.1	281.7	215.3	532.4	125.1	
VEL=	6.1	8.8	2.6	8.6	6.7	5.6	6.8	7.8	6.8	5.4	
DEPTH=	4.2	6.1	10.8	6.1	4.1	3.1	4.1	5.1	4.1	3.1	

*SECNO 240.000

240.00	12.91	302.91	294.63	.00	303.10	.19	1.54	.02	306.00
19000.	0.	19000.	0.	0.	5428.	0.	1443.	172.	310.00
.87	.00	3.50	.00	.000	.200	.000	.000	290.00	2527.39
.008817	195.	230.	255.	2	18	0	.00	475.76	3003.16

FLOW DISTRIBUTION FOR SECNO= 240.00 CWSEL= 302.91

STA=	2527.	3032.
PER Q=	100.0	
AREA=	5428.4	
VEL=	3.5	
DEPTH=	11.4	

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

CCHV= .300 CEHV= .500
*SECNO 242.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3370 NORMAL BRIDGE, NRD= 31 MIN ELTRD= 312.00 MAX ELLC= 311.50

MAST BLVD BRIDGE (NORMAL BRIDGE ROUTINE)

242.00	12.90	302.90	294.92	.00	303.13	.23	.01	.02	306.00
19000.	0.	19000.	0.	0.	4991.	0.	1444.	172.	310.00
.87	.00	3.81	.00	.000	.040	.000	.000	290.00	2527.39
.000586	10.	10.	10.	2	12	0	-437.62	475.77	3003.16

FLOW DISTRIBUTION FOR SECNO= 242.00 CWSEL= 302.90

STA= 2527. 3032.
PER Q= 100.0
AREA= 4991.2
VEL= 3.8
DEPTH= 10.5

*SECNO 243.000

3370 NORMAL BRIDGE, NRD= 31 MIN ELTRD= 312.00 MAX ELLC= 311.50

243.00	12.94	302.94	294.92	.00	303.17	.22	.04	.00	313.00
19000.	0.	18998.	2.	0.	5007.	2.	1451.	173.	300.00
.87	.00	3.79	.83	.000	.040	.030	.000	290.00	2527.27
.000576	65.	65.	65.	2	12	0	-439.01	475.90	3003.18

FLOW DISTRIBUTION FOR SECNO= 243.00 CWSEL= 302.94

STA= 2527. 3002. 3003.
PER Q= 100.0 .0
AREA= 5006.9 1.9
VEL= 3.8 .8
DEPTH= 10.5 1.5

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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
*SECNO 244.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

244.00	12.98	302.98	295.42	.00	303.18	.20	.01	.00	310.00
19000.	0.	19000.	0.	0.	5273.	0.	1452.	173.	310.00
.87	.00	3.60	.00	.000	.140	.000	.000	290.00	2570.80
.004928	10.	10.	10.	2	18	0	.00	492.44	3063.24

FLOW DISTRIBUTION FOR SECNO= 244.00 CWSEL= 302.98

STA= 2571. 3076.
PER Q= 100.0
AREA= 5272.9
VEL= 3.6
DEPTH= 10.7

*SECNO 245.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 100.0 1515.0 TYPE= 1 TARGET= 1415.000

245.00	13.31	303.31	293.94	.00	303.46	.15	.27	.01	292.00
19000.	6925.	9706.	2370.	1530.	6065.	858.	1480.	176.	292.00
.89	4.53	1.60	2.76	.040	.140	.055	.000	290.00	744.03
.000747	210.	165.	200.	2	18	0	.00	770.97	1515.00

FLOW DISTRIBUTION FOR SECNO= 245.00 CWSEL= 303.31

STA=	744.	760.	777.	786.	817.	928.	1396.	1408.	1452.	1461.	1493.	1509.	1515.
PER Q=	.0	.6	1.1	5.5	29.2	51.1	2.2	5.8	.8	2.0	1.3	.4	
AREA=	10.6	53.6	61.2	252.5	1152.3	6065.2	120.6	362.2	61.8	166.6	99.0	47.5	
VEL=	.8	2.2	3.4	4.2	4.8	1.6	3.5	3.0	2.5	2.2	2.5	1.7	
DEPTH=	.7	3.3	6.3	8.3	10.3	13.0	10.3	8.3	6.3	5.3	6.3	7.3	

CCHV= .100 CEHV= .300

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 250.000

250.00	13.98	303.98	297.67	.00	304.07	.09	.60	.01	294.00
19000.	2394.	3925.	12681.	725.	2275.	5279.	1624.	192.	294.00
.98	3.30	1.73	2.40	.048	.140	.069	.000	290.00	2450.67
.000863	705.	740.	790.	2	11	0	.00	1043.91	3494.58

FLOW DISTRIBUTION FOR SECNO= 250.00 CWSEL= 303.98

STA=	2451.	2551.	2567.	2741.	2947.	2973.	3001.	3023.	3054.	3089.	3144.	3193.	3222.
PER Q=	11.6	1.0	20.7	11.0	3.4	4.5	4.3	5.0	3.7	3.1	3.2	3.9	
AREA=	582.2	142.6	2275.0	1667.2	204.0	247.5	223.3	278.9	243.9	261.2	255.1	231.9	
VEL=	3.8	1.3	1.7	1.3	3.2	3.4	3.7	3.4	2.9	2.2	2.4	3.2	
DEPTH=	5.8	9.0	13.1	8.1	8.0	9.0	10.0	9.0	7.0	4.7	5.3	8.0	

STA=	3222.	3439.	3495.
PER Q=	23.1	1.6	
AREA=	1514.0	152.1	
VEL=	2.9	1.9	
DEPTH=	7.0	2.7	

1490 NH CARD USED
*SECNO 260.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

260.00	11.60	305.60	302.86	.00	306.18	.58	1.97	.15	300.00
19000.	145.	6136.	12719.	74.	1538.	1833.	1762.	211.	300.00
1.03	1.97	3.99	6.94	.140	.140	.055	.000	294.00	2348.13
.007505	1035.	1025.	1020.	2	14	0	.00	606.15	2954.27

FLOW DISTRIBUTION FOR SECNO= 260.00 CWSEL= 305.60

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

STA=	2348.	2375.	2545.	2601.	2635.	2685.	2743.	2775.	2796.	2809.	2825.	2856.	2906.
PER Q=	.8	32.3	8.9	3.5	5.2	6.1	5.0	6.0	4.9	5.8	11.2	9.1	
AREA=	73.6	1537.8	260.0	122.0	180.2	210.5	145.7	139.5	103.5	121.0	235.2	248.3	
VEL=	2.0	4.0	6.5	5.5	5.5	5.5	6.5	8.2	9.1	9.1	9.1	6.9	
DEPTH=	2.7	9.1	4.6	3.6	3.6	3.6	4.6	6.6	7.6	7.6	7.6	5.0	

STA=	2906.	2954.
PER Q=	1.2	
AREA=	67.4	
VEL=	3.5	
DEPTH=	1.4	

1490 NH CARD USED
*SECNO 270.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

270.00	11.13	309.13	304.11	.00	309.43	.29	3.22	.03	300.00
17000.	722.	3376.	12902.	478.	1635.	2651.	1851.	224.	304.00
1.09	1.51	2.06	4.87	.140	.140	.055	.000	298.00	2403.90
.001842	985.	965.	930.	2	28	0	.00	634.42	3038.32

FLOW DISTRIBUTION FOR SECNO= 270.00 CWSEL= 309.13

STA=	2404.	2510.	2679.	2721.	2802.	2883.	2900.	2961.	2995.	3038.
PER Q=	4.2	19.9	4.4	16.7	22.0	4.6	22.7	5.4	.1	
AREA=	477.7	1634.9	215.5	625.9	739.6	155.2	671.9	217.9	24.7	
VEL=	1.5	2.1	3.4	4.5	5.1	5.1	5.7	4.2	.8	
DEPTH=	4.5	9.7	5.1	7.7	9.1	9.1	11.0	6.5	.6	

1490 NH CARD USED
*SECNO 280.000

280.00	10.69	310.69	306.47	.00	310.78	.09	1.33	.02	306.00
17000.	1243.	1302.	14455.	1569.	925.	5657.	2005.	250.	306.00
1.21	.79	1.41	2.56	.137	.140	.061	.000	300.00	514.15
.000949	1045.	1040.	1030.	4	12	0	.00	1492.56	2006.72

FLOW DISTRIBUTION FOR SECNO= 280.00 CWSEL= 310.69

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

STA=	514.	950.	958.	1060.	1242.	1340.	1370.	1408.	1502.	1570.	1635.	1690.	1800.
PER Q=	7.1	.2	7.7	4.6	7.5	4.4	4.2	7.8	7.9	5.8	4.1	16.1	
AREA=	1531.7	37.5	925.1	853.2	607.4	230.6	246.1	510.6	454.8	369.7	282.8	845.6	
VEL=	.8	.9	1.4	.9	2.1	3.2	2.9	2.6	3.0	2.7	2.5	3.2	
DEPTH=	3.5	4.7	9.1	4.7	6.2	7.7	6.5	5.4	6.7	5.7	5.1	7.7	

STA=	1800.	1830.	1850.	1933.	2007.
PER Q=	6.5	5.1	8.3	2.8	
AREA=	290.6	213.8	506.1	246.1	
VEL=	3.8	4.0	2.8	1.9	
DEPTH=	9.7	10.7	6.1	3.3	

*SECNO 285.000

3265 DIVIDED FLOW

285.00	9.36	311.36	310.17	.00	311.46	.10	.68	.00	306.00
17000.	856.	936.	15208.	439.	687.	5716.	2121.	272.	310.00
1.29	1.95	1.36	2.66	.060	.140	.055	.000	302.00	574.16
.001055	665.	670.	680.	2	22	0	.00	1417.11	2029.62

FLOW DISTRIBUTION FOR SECNO= 285.00 CWSEL= 311.36

STA=	574.	707.	792.	910.	1063.	1232.	1288.	1352.	1601.	1786.	1817.	1842.	1982.
PER Q=	5.0	5.5	9.5	17.2	14.3	4.8	3.3	5.7	10.7	3.5	3.6	15.8	
AREA=	439.4	687.3	572.9	972.4	906.7	301.5	249.2	552.3	788.0	197.7	184.6	893.6	
VEL=	1.9	1.4	2.8	3.0	2.7	2.7	2.2	1.8	2.3	3.0	3.3	3.0	
DEPTH=	3.3	8.0	4.9	6.4	5.4	5.4	3.9	2.2	4.3	6.4	7.4	6.4	

STA=	1982.	2030.
PER Q=	1.0	
AREA=	97.1	
VEL=	1.8	
DEPTH=	2.1	

*SECNO 290.000

3265 DIVIDED FLOW

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

290.00	10.28	312.28	310.33	.00	312.42	.14	.95	.01	308.00
17000.	1584.	1590.	13826.	472.	817.	4431.	2214.	295.	310.00
1.35	3.36	1.95	3.12	.040	.140	.055	.000	302.00	2386.33
.002202	645.	645.	645.	2	17	0	.00	1627.63	4133.77

FLOW DISTRIBUTION FOR SECNO= 290.00 CWSEL= 312.28

STA=	2386.	2655.	2759.	2834.	2932.	3041.	3091.	3243.	3411.	3446.	3646.	3717.	4078.
PER Q=	9.3	9.4	4.0	6.2	5.0	4.2	11.0	3.5	4.2	23.8	3.1	15.6	
AREA=	471.5	817.0	246.1	352.1	320.0	216.0	590.0	226.4	185.8	1053.4	198.0	972.8	
VEL=	3.4	1.9	2.8	3.0	2.6	3.3	3.2	2.6	3.8	3.8	2.7	2.7	
DEPTH=	1.8	7.9	3.3	3.6	2.9	4.3	3.9	1.3	5.3	5.3	2.8	2.7	

STA=	4078.	4134.
PER Q=	.6	
AREA=	70.6	
VEL=	1.5	
DEPTH=	1.3	

1490 NH CARD USED
*SECNO 300.000

3265 DIVIDED FLOW

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 2340.0 4140.0 TYPE= 1 TARGET= 1800.000

300.00	8.23	314.23	314.23	.00	314.42	.19	1.55	.01	312.00
17000.	287.	1423.	15290.	137.	904.	4202.	2298.	319.	314.00
1.40	2.09	1.57	3.64	.040	.140	.055	.000	306.00	2418.32
.002435	655.	660.	670.	0	17	0	.00	1479.73	4007.17

FLOW DISTRIBUTION FOR SECNO= 300.00 CWSEL= 314.23

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

STA=	2418.	2536.	2709.	2823.	2917.	2990.	3029.	3049.	3091.	3151.	3255.	3416.	3737.
PER Q=	1.7	8.4	4.8	15.5	12.0	6.6	3.3	6.8	7.7	5.7	4.8	4.2	
AREA=	136.9	903.8	252.4	584.4	451.1	248.6	124.0	257.9	322.3	334.7	358.9	345.9	
VEL=	2.1	1.6	3.2	4.5	4.5	4.5	4.5	4.5	4.1	2.9	2.3	2.1	
DEPTH=	1.2	5.2	2.2	6.2	6.2	6.2	6.2	6.2	5.3	3.2	2.2	1.1	

STA=	3737.	3852.	3967.	4002.	4007.
PER Q=	3.5	11.9	3.1	.0	
AREA=	258.3	508.0	149.8	5.7	
VEL=	2.3	4.0	3.5	1.4	
DEPTH=	2.2	4.4	4.2	1.1	

*SECNO 310.000
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 2460.0 4230.0 TYPE= 1 TARGET= 1770.000
CONFLUENCE WITH SYCAMORE CREEK

310.00	8.12	316.12	316.12	.00	316.19	.07	.63	.01	314.00
17000.	128.	409.	16463.	133.	578.	7629.	2392.	340.	316.00
1.48	.96	.71	2.16	.040	.140	.055	.000	308.00	2572.54
.000577	620.	610.	600.	0	8	0	.00	1635.13	4207.67

FLOW DISTRIBUTION FOR SECNO= 310.00 CWSEL= 316.12

STA=	2573.	2698.	2822.	2944.	3016.	3085.	3160.	3297.	3422.	3550.	3687.	4070.	4130.
PER Q=	.8	2.4	5.6	5.6	4.3	3.0	5.5	6.5	5.9	3.6	47.0	6.0	
AREA=	133.0	578.3	512.0	439.4	369.7	309.0	564.4	595.4	564.5	432.6	3069.6	427.2	
VEL=	1.0	.7	1.9	2.2	2.0	1.7	1.7	1.8	1.8	1.4	2.6	2.4	
DEPTH=	1.1	4.7	4.2	6.1	5.4	4.1	4.1	4.8	4.4	3.1	8.0	7.1	

STA=	4130.	4191.	4208.
PER Q=	3.6	.2	
AREA=	313.3	32.3	
VEL=	1.9	1.1	
DEPTH=	5.1	2.0	

*SECNO 320.000

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 950.0 2300.0 TYPE= 1 TARGET= 1350.000
CONFLUENCE WITH FORRESTER CREEK

320.00	7.20	317.20	315.31	.00	317.53	.33	1.26	.08	316.00
17000.	20.	6993.	9986.	7.	1874.	1936.	2506.	367.	312.00
1.53	2.79	3.73	5.16	.040	.140	.055	.000	310.00	976.51
.011307	665.	750.	840.	3	21	0	.00	1270.69	2247.21

FLOW DISTRIBUTION FOR SECNO= 320.00 CWSEL= 317.20

STA=	977.	989.	1300.	1478.	1513.	1670.	1786.	1961.	2203.	2221.	2247.
PER Q=	.1	41.1	20.8	2.2	18.4	7.3	4.0	5.5	.4	.2	
AREA=	7.3	1873.7	568.4	75.9	501.6	254.8	209.0	289.8	20.9	16.0	
VEL=	2.8	3.7	6.2	4.8	6.2	4.9	3.2	3.2	3.2	2.0	
DEPTH=	.6	6.0	3.2	2.2	3.2	2.2	1.2	1.2	1.2	.6	

*SECNO 330.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 1280.0 2300.0 TYPE= 1 TARGET= 1020.000

330.00	8.02	320.02	316.29	.00	320.16	.14	2.62	.02	314.00
16000.	7795.	3404.	4800.	2440.	1243.	1702.	2588.	386.	314.00
1.60	3.19	2.74	2.82	.060	.085	.060	.000	312.00	1339.89
.001560	870.	780.	700.	3	14	0	.00	932.00	2271.89

FLOW DISTRIBUTION FOR SECNO= 330.00 CWSEL= 320.02

STA=	1340.	1393.	1760.	1917.	2113.	2240.	2272.
PER Q=	3.9	44.8	21.3	17.6	11.4	1.0	
AREA=	228.4	2212.0	1243.3	982.8	635.9	82.9	
VEL=	2.7	3.2	2.7	2.9	2.9	1.9	
DEPTH=	4.3	6.0	7.9	5.0	5.0	2.6	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 340.000

3470 ENCROACHMENT STATIONS= 1200.0 2180.0 TYPE= 1 TARGET= 980.000

340.00	10.85	320.85	318.01	.00	320.97	.12	.81	.00	320.00
16000.	2137.	8249.	5614.	778.	3138.	1812.	2653.	397.	318.00
1.65	2.75	2.63	3.10	.060	.085	.060	.000	310.00	1230.02
.001619	520.	505.	505.	3	10	0	.00	949.98	2180.00

FLOW DISTRIBUTION FOR SECNO= 340.00 CWSEL= 320.85

STA=	1230.	1245.	1250.	1391.	1399.	1410.	1843.	1891.	1904.	1909.	2180.
PER Q=	.2	.3	12.2	.5	.2	51.6	1.7	.7	.7	32.0	
AREA=	23.5	19.3	684.1	30.8	20.4	3138.4	135.4	49.3	33.9	1593.6	
VEL=	1.4	2.3	2.9	2.4	1.5	2.6	2.0	2.4	3.1	3.2	
DEPTH=	1.6	3.9	4.9	3.9	1.9	7.2	2.9	3.9	5.9	5.9	

*SECNO 345.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 1210.0 2270.0 TYPE= 1 TARGET= 1060.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 322.00 ELREA= 324.00

345.00	9.48	321.48	317.65	.00	321.90	.43	.84	.09	322.00
16000.	0.	16000.	0.	0.	3054.	0.	2681.	402.	324.00
1.66	.00	5.24	.00	.000	.085	.000	.000	312.00	1511.32
.007502	320.	280.	250.	2	11	0	.00	472.68	1984.00

FLOW DISTRIBUTION FOR SECNO= 345.00 CWSEL= 321.48

STA=	1511.	1996.
PER Q=	100.0	
AREA=	3054.0	
VEL=	5.2	
DEPTH=	6.5	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= .300 CEHV= .500
*SECNO 355.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 1370.0 2370.0 TYPE= 1 TARGET= 1000.000

355.00	9.21	323.21	319.69	.00	323.40	.20	1.43	.07	322.00
16000.	2075.	12306.	1619.	719.	3382.	422.	2706.	407.	322.00
1.69	2.88	3.64	3.83	.060	.085	.060	.000	314.00	1398.63
.003606	275.	285.	295.	2	14	0	.00	971.37	2370.00

FLOW DISTRIBUTION FOR SECNO= 355.00 CWSEL= 323.21

STA=	1399.	1492.	1531.	1695.	1702.	1731.	2254.	2287.	2303.	2306.	2370.
PER Q=	.4	1.3	10.6	.3	.4	76.9	.4	.5	.3	8.9	
AREA=	56.0	85.7	526.5	16.3	34.9	3382.5	39.7	34.6	12.6	335.6	
VEL=	1.1	2.5	3.2	2.5	1.7	3.6	1.7	2.5	3.4	4.2	
DEPTH=	.6	2.2	3.2	2.2	1.2	6.5	1.2	2.2	4.2	5.2	

*SECNO 356.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 1340.0 2290.0 TYPE= 1 TARGET= 950.000

356.00	8.35	324.35	321.27	.00	324.79	.44	1.27	.12	316.00
16000.	905.	14913.	182.	203.	2783.	44.	2727.	411.	320.00
1.70	4.46	5.36	4.13	.060	.085	.060	.000	316.00	1340.00
.007615	250.	250.	250.	2	11	0	.00	672.52	2277.25

FLOW DISTRIBUTION FOR SECNO= 356.00 CWSEL= 324.35

STA=	1340.	1497.	1529.	1813.	1822.	1829.	1836.	2258.	2268.	2277.
PER Q=	.4	.0	.4	.9	1.5	2.4	93.2	.9	.2	
AREA=	55.2	5.6	25.5	29.8	37.5	49.3	2783.3	31.2	12.8	
VEL=	1.1	.7	2.6	4.8	6.4	7.9	5.4	4.8	2.6	
DEPTH=	.4	.2	.1	3.4	5.4	7.4	6.6	3.4	1.4	

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

SPECIAL BRIDGE

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	.90	1.60	2.75	.00	450.00	77.00	3112.00	2.00	318.00	318.00

*SECNO 358.000
6840, FLOW IS BY WEIR AND LOW FLOW

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3420 BRIDGE W.S.= 324.49 BRIDGE VELOCITY= 5.81 CALCULATED CHANNEL AREA= 2504.

EGPRS	EGLWC	H3	QWEIR	QLOW	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
326.00	325.01	.14	1357.	14558.	3112.	3112.	326.00	324.00	625.

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 316.00 ELREA= 326.00

CARLTON HILLS BLVD BRIDGE (SPECIAL BRIDGE ROUTINE)

358.00	8.61	324.61	.00	.00	325.01	.41	.22	.00	316.00
16000.	1038.	14962.	0.	553.	2841.	0.	2732.	413.	326.00
1.70	1.88	5.27	.00	.060	.040	.000	.000	316.00	995.53
.001615	65.	65.	65.	2	0	3	.00	1041.44	2277.43

FLOW DISTRIBUTION FOR SECNO= 358.00 CWSEL= 324.61

STA=	996.	1090.	1497.	1552.	1813.	1822.	1829.	1850.	2278.
PER Q=	.1	1.1	.0	.3	.5	.8	3.8	93.5	
AREA=	28.8	247.9	16.9	30.8	32.1	39.3	157.5	2841.2	
VEL=	.5	.7	.5	1.3	2.3	3.1	3.8	5.3	
DEPTH=	.3	.6	.3	.1	3.6	5.6	7.6	6.6	

*SECNO 360.000

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 1530.0 2600.0 TYPE= 1 TARGET= 1070.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
360.00	9.42	325.42	320.76	.00	325.54	.12	.44	.09	320.00
16000.	12673.	2978.	349.	4314.	1413.	287.	2769.	420.	320.00
1.74	2.94	2.11	1.22	.060	.085	.085	.000	316.00	1548.16
.001043	335.	345.	355.	2	11	0	.00	932.58	2600.00

FLOW DISTRIBUTION FOR SECNO= 360.00 CWSEL= 325.42

STA=	1548.	1879.	1920.	2012.	2113.	2187.	2383.	2600.
PER Q=	34.2	5.8	18.8	14.2	6.2	18.6	2.2	
AREA=	2007.5	304.0	852.8	747.4	401.8	1413.4	287.4	
VEL=	2.7	3.0	3.5	3.0	2.5	2.1	1.2	
DEPTH=	6.1	7.4	9.3	7.4	5.4	7.2	1.3	

CCHV= .100 CEHV= .300
*SECNO 370.000

3470 ENCROACHMENT STATIONS= 1470.0 2820.0 TYPE= 1 TARGET= 1350.000

370.00	7.80	325.80	321.67	.00	325.89	.10	.36	.00	320.00
16000.	12524.	1496.	1980.	4684.	697.	1510.	2820.	429.	320.00
1.78	2.67	2.15	1.31	.060	.085	.085	.000	318.00	1470.00
.001021	345.	345.	350.	2	18	0	.00	1295.17	2765.17

FLOW DISTRIBUTION FOR SECNO= 370.00 CWSEL= 325.80

STA=	1470.	1542.	1590.	1630.	1725.	1835.	2155.	2204.	2234.	2326.	2642.	2765.
PER Q=	4.4	4.5	4.8	14.4	13.3	29.6	4.5	2.8	9.4	10.4	2.0	
AREA=	331.2	280.0	270.6	740.8	747.8	1853.0	284.7	176.3	697.4	1212.8	296.8	
VEL=	2.1	2.6	2.8	3.1	2.8	2.6	2.6	2.6	2.1	1.4	1.1	
DEPTH=	4.6	5.8	6.8	7.8	6.8	5.8	5.8	5.8	7.6	3.8	2.4	

*SECNO 380.000

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 1540.0 2960.0 TYPE= 1 TARGET= 1420.000

380.00	8.16	326.16	322.67	.00	326.26	.11	.36	.00	320.00
16000.	11858.	1073.	3068.	4145.	436.	1950.	2869.	439.	320.00
1.81	2.86	2.46	1.57	.060	.085	.085	.000	318.00	1552.53
.001282	320.	320.	320.	2	11	0	.00	1310.65	2943.86

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 380.00 CWSEL= 326.16

STA=	1553.	1758.	1793.	1860.	1931.	1968.	2064.	2262.	2381.	2436.	2585.	2817.	2944.
PER Q=	16.7	6.1	8.1	8.2	4.2	8.2	9.1	13.6	6.7	6.6	9.8	2.8	
AREA=	1022.3	274.8	424.5	440.1	224.1	495.9	533.2	730.0	436.2	638.5	964.8	346.7	
VEL=	2.6	3.5	3.0	3.0	3.0	2.6	2.7	3.0	2.5	1.7	1.6	1.3	
DEPTH=	5.0	8.0	6.4	6.2	6.2	5.2	2.7	6.2	7.9	4.3	4.2	2.7	

*SECNO 390.000

3470 ENCROACHMENT STATIONS= 1680.0 2740.0 TYPE= 1 TARGET= 1060.000

390.00	8.98	326.98	324.15	.00	327.16	.19	.88	.02	324.00
16000.	11642.	2618.	1740.	3084.	933.	1006.	2938.	453.	324.00
1.85	3.78	2.80	1.73	.060	.085	.085	.000	318.00	1680.00
.002313	520.	520.	520.	2	14	0	.00	1060.00	2740.00

FLOW DISTRIBUTION FOR SECNO= 390.00 CWSEL= 326.98

STA=	1680.	1728.	1775.	1781.	1822.	1859.	1862.	1908.	2195.	2220.	2250.	2402.	2740.
PER Q=	4.9	5.1	.8	9.7	10.7	.6	6.7	31.0	1.9	1.4	16.4	10.9	
AREA=	238.9	233.9	35.9	327.0	332.1	23.9	274.9	1428.3	99.4	89.3	933.4	1006.1	
VEL=	3.3	3.5	3.8	4.8	5.1	4.2	3.9	3.5	3.0	2.5	2.8	1.7	
DEPTH=	5.0	5.0	6.0	8.0	9.0	8.0	6.0	5.0	4.0	3.0	6.1	3.0	

*SECNO 400.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 1749.0 2605.0 TYPE= 1 TARGET= 856.000

DOWNSTREAM END MISSION CREEK DEVELOPMENT

400.00	9.78	327.78	320.86	.00	327.87	.09	.69	.01	320.00
16000.	815.	14634.	550.	340.	6252.	184.	3017.	465.	320.00
1.92	2.40	2.34	2.99	.040	.075	.040	.000	318.00	1749.00
.000688	705.	540.	495.	2	17	0	.00	793.88	2574.33

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

FLOW DISTRIBUTION FOR SECNO= 400.00 CWSEL= 327.78

STA=	1749.	1858.	1878.	2532.	2557.	2574.
PER Q=	3.0	2.1	91.5	3.1	.3	
AREA=	231.5	108.5	6252.3	153.5	30.8	
VEL=	2.1	3.0	2.3	3.3	1.6	
DEPTH=	2.1	5.5	9.6	6.1	1.8	

1490 NH CARD USED
*SECNO 410.000

3470 ENCROACHMENT STATIONS= 2970.0 3720.0 TYPE= 1 TARGET= 750.000

410.00	10.21	328.21	321.04	.00	328.32	.10	.44	.01	320.00
16000.	490.	15037.	473.	178.	5825.	172.	3121.	477.	320.00
2.00	2.75	2.58	2.76	.040	.065	.040	.000	318.00	3023.24
.000589	672.	700.	726.	2	17	0	.00	663.18	3686.42

FLOW DISTRIBUTION FOR SECNO= 410.00 CWSEL= 328.21

STA=	3023.	3065.	3646.	3686.
PER Q=	3.1	94.0	3.0	
AREA=	178.1	5824.6	171.6	
VEL=	2.8	2.6	2.8	
DEPTH=	4.2	10.0	4.2	

1490 NH CARD USED
*SECNO 415.000

3470 ENCROACHMENT STATIONS= 3180.0 3945.0 TYPE= 1 TARGET= 765.000

415.00	10.64	328.64	321.12	.00	328.73	.09	.41	.00	320.00
16000.	439.	14858.	704.	179.	6303.	267.	3237.	489.	320.00
2.09	2.46	2.36	2.63	.040	.065	.040	.000	318.00	3211.75
.000476	765.	780.	800.	2	17	0	.00	710.95	3922.70

FLOW DISTRIBUTION FOR SECNO= 415.00 CWSEL= 328.64

STA=	3212.	3252.	3865.	3895.	3923.
PER Q=	2.7	92.9	3.7	.7	
AREA=	178.6	6303.4	203.9	63.3	
VEL=	2.5	2.4	2.9	1.7	
DEPTH=	4.4	10.3	6.8	2.3	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 420.000

3470 ENCROACHMENT STATIONS= 3380.0 4065.0 TYPE= 1 TARGET= 685.000

420.00	10.92	328.92	322.16	.00	329.05	.13	.31	.01	320.00
16000.	777.	14135.	1088.	209.	5121.	283.	3305.	497.	320.00
2.14	3.73	2.76	3.85	.040	.075	.040	.000	318.00	3424.74
.000926	480.	480.	480.	2	18	0	.00	618.47	4043.21

FLOW DISTRIBUTION FOR SECNO= 420.00 CWSEL= 328.92

STA=	3425.	3467.	3989.	4009.	4043.
PER Q=	4.9	88.3	4.4	2.4	
AREA=	208.6	5121.3	158.4	124.1	
VEL=	3.7	2.8	4.5	3.1	
DEPTH=	4.9	9.8	7.9	3.6	

*SECNO 421.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

421.00	5.13	329.13	327.79	.00	330.07	.94	.78	.24	325.00
16000.	424.	15574.	2.	63.	1993.	1.	3338.	501.	328.00
2.15	6.76	7.81	2.08	.040	.050	.040	.000	324.00	2626.05
.008109	375.	375.	375.	2	22	0	.00	425.03	3051.08

FLOW DISTRIBUTION FOR SECNO= 421.00 CWSEL= 329.13

STA=	2626.	2628.	2640.	2650.	3049.	3051.
PER Q=	.0	.9	1.7	97.3	.0	
AREA=	1.0	26.8	34.8	1993.4	1.1	
VEL=	2.0	5.5	7.9	7.8	2.1	
DEPTH=	.6	2.1	3.6	5.0	.6	

CCHV= .300 CEHV= .500

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 422.000

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 53 MIN ELTRD= 344.00 MAX ELLC= 342.00

CUYAMACA BRIDGE - UPSTREAM END MISSION CREEK DEVELOPMENT
(NORMAL BRIDGE ROUTINE)

422.00	4.87	328.87	328.35	.00	330.49	1.62	.08	.34	326.00
16000.	157.	15814.	29.	33.	1542.	9.	3339.	501.	326.00
2.15	4.78	10.25	3.22	.040	.030	.040	.000	324.00	2626.44
.007404	10.	10.	10.	2	15	0	-352.96	424.19	3050.63

FLOW DISTRIBUTION FOR SECNO= 422.00 CWSEL= 328.87

STA=	2626.	2645.	3045.	3049.	3051.
PER Q=	1.0	98.8	.2	.0	
AREA=	32.8	1542.4	8.2	.7	
VEL=	4.8	10.3	3.3	1.7	
DEPTH=	1.8	3.9	1.9	.4	

*SECNO 423.000

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 53 MIN ELTRD= 344.00 MAX ELLC= 342.00

423.00	5.93	329.93	328.35	.00	331.00	1.07	.35	.17	326.00
16000.	247.	15707.	46.	53.	1883.	16.	3341.	502.	326.00
2.15	4.64	8.34	2.85	.040	.030	.040	.000	324.00	4624.81
.003999	65.	65.	65.	3	15	0	-432.98	427.66	5052.47

FLOW DISTRIBUTION FOR SECNO= 423.00 CWSEL= 329.93

STA=	4625.	4628.	4645.	5045.	5049.	5052.
PER Q=	.0	1.5	98.2	.2	.0	
AREA=	2.9	50.4	1883.2	12.9	3.2	
VEL=	2.0	4.8	8.3	3.0	2.1	
DEPTH=	1.0	2.9	4.7	2.9	1.0	

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

1490 NH CARD USED
*SECNO 424.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

424.00	3.68	329.68	329.63	.00	331.40	1.72	.08	.33	326.00
16000.	121.	15500.	380.	18.	1463.	45.	3342.	502.	326.00
2.15	6.83	10.60	8.35	.050	.050	.050	.000	326.00	4647.78
.022275	10.	10.	10.	2	14	0	.00	427.08	5074.85

FLOW DISTRIBUTION FOR SECNO= 424.00 CWSEL= 329.68

STA=	4648.	4659.	5055.	5075.
PER Q=	.8	96.9	2.4	
AREA=	17.7	1462.6	45.5	
VEL=	6.8	10.6	8.4	
DEPTH=	1.6	3.7	2.3	

1490 NH CARD USED
*SECNO 425.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4365.0 5400.0 TYPE= 1 TARGET= 1035.000

425.00	7.00	333.00	330.47	.00	333.23	.23	1.38	.45	328.00
16000.	4063.	7496.	4441.	1077.	2049.	1064.	3357.	506.	328.00
2.17	3.77	3.66	4.18	.045	.075	.045	.000	326.00	4418.93
.002716	285.	225.	215.	2	8	0	.00	981.07	5400.00

FLOW DISTRIBUTION FOR SECNO= 425.00 CWSEL= 333.00

STA=	4419.	4456.	4627.	4806.	5113.	5345.	5400.
PER Q=	.1	5.8	19.4	46.9	25.1	2.7	
AREA=	18.8	340.9	717.1	2049.5	926.0	137.6	
VEL=	1.1	2.7	4.3	3.7	4.3	3.1	
DEPTH=	.5	2.0	4.0	6.7	4.0	2.5	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 430.000

3470 ENCROACHMENT STATIONS= 4540.0 6000.0 TYPE= 1 TARGET= 1460.000

430.00	8.41	334.41	331.83	.00	334.85	.44	1.55	.06	328.00
16000.	932.	7630.	7438.	265.	1495.	1315.	3396.	515.	328.00
2.19	3.52	5.10	5.66	.045	.075	.045	.000	326.00	5360.09
.004075	495.	470.	465.	4	15	0	.00	639.91	6000.00

FLOW DISTRIBUTION FOR SECNO= 430.00 CWSEL= 334.41

STA=	5360.	5505.	5511.	5521.	5705.	5718.	5850.	6000.
PER Q=	3.2	.6	2.1	47.7	2.8	20.7	23.0	
AREA=	193.1	20.5	51.4	1495.1	68.7	583.7	662.3	
VEL=	2.6	4.6	6.4	5.1	6.4	5.7	5.6	
DEPTH=	1.3	3.4	5.4	8.1	5.4	4.4	4.4	

1490 NH CARD USED
*SECNO 440.000

3470 ENCROACHMENT STATIONS= 4030.0 5540.0 TYPE= 1 TARGET= 1510.000

440.00	8.54	336.54	333.51	.00	336.89	.36	2.04	.01	330.00
15000.	7443.	6868.	688.	1523.	1441.	179.	3435.	523.	330.00
2.23	4.89	4.77	3.84	.045	.075	.045	.000	328.00	4723.29
.003439	535.	545.	550.	2	14	0	.00	704.60	5427.88

FLOW DISTRIBUTION FOR SECNO= 440.00 CWSEL= 336.54

STA=	4723.	5052.	5085.	5107.	5119.	5292.	5311.	5428.
PER Q=	34.6	9.7	3.6	1.7	45.8	3.6	1.0	
AREA=	1156.4	215.0	101.6	50.5	1440.8	94.5	84.9	
VEL=	4.5	6.8	5.3	5.1	4.8	5.6	1.8	
DEPTH=	3.5	6.5	4.5	4.4	8.3	4.9	.7	

1490 NH CARD USED
*SECNO 450.000

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4030.0 5500.0 TYPE= 1 TARGET= 1470.000

450.00	9.06	337.06	331.00	.00	337.19	.12	.27	.02	330.00
15000.	1284.	13678.	38.	1386.	4629.	48.	3493.	533.	330.00
2.28	.93	2.95	.80	.055	.030	.055	.000	328.00	4492.46
.000190	575.	530.	545.	2	22	0	.00	899.12	5391.58

FLOW DISTRIBUTION FOR SECNO= 450.00 CWSEL= 337.06

STA=	4492.	4641.	4820.	4865.	5378.	5392.
PER Q=	3.4	4.7	.4	91.2	.3	
AREA=	557.1	735.6	93.0	4629.5	48.2	
VEL=	.9	1.0	.7	3.0	.8	
DEPTH=	3.7	4.1	2.1	9.0	3.5	

1490 NH CARD USED
*SECNO 460.000

3470 ENCROACHMENT STATIONS= 4025.0 5600.0 TYPE= 1 TARGET= 1575.000

460.00	9.17	337.17	330.53	.00	337.25	.08	.06	.00	330.00
15000.	169.	14788.	43.	442.	6384.	66.	3559.	544.	330.00
2.33	.38	2.32	.65	.055	.030	.055	.000	328.00	4262.57
.000116	480.	440.	425.	2	14	0	.00	1086.99	5349.56

FLOW DISTRIBUTION FOR SECNO= 460.00 CWSEL= 337.17

STA=	4263.	4314.	4582.	4611.	4617.	4620.	4626.	5331.	5350.
PER Q=	.0	.7	.1	.0	.1	.2	98.6	.3	
AREA=	30.0	314.4	33.5	14.1	12.9	37.0	6384.0	65.8	
VEL=	.2	.3	.3	.5	.7	.9	2.3	.7	
DEPTH=	.6	1.2	1.2	2.2	4.2	6.2	9.1	3.6	

1490 NH CARD USED
*SECNO 470.000

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

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3700.0 5250.0 TYPE= 1 TARGET= 1550.000

470.00	9.15	337.15	334.10	.00	337.53	.38	.18	.09	330.00
15000.	9219.	5630.	150.	1791.	1218.	41.	3622.	556.	330.00
2.37	5.15	4.62	3.63	.045	.070	.045	.000	328.00	4281.79
.002748	790.	480.	430.	2	17	0	.00	554.80	5157.48

FLOW DISTRIBUTION FOR SECNO= 470.00 CWSEL= 337.15

STA=	4282.	4346.	4372.	4424.	4698.	4914.	5002.	5146.	5157.
PER Q=	8.8	4.7	14.8	7.8	4.3	20.9	37.5	1.0	
AREA=	274.5	138.0	354.2	316.0	167.7	540.4	1218.2	41.4	
VEL=	4.8	5.2	6.3	3.7	3.8	5.8	4.6	3.6	
DEPTH=	4.3	5.1	6.9	1.2	.8	6.1	8.5	3.6	

1490 NH CARD USED
*SECNO 480.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2870.0 4200.0 TYPE= 1 TARGET= 1330.000

480.00	8.06	338.06	335.55	.00	339.17	1.11	1.43	.22	340.00
15000.	0.	15000.	0.	0.	1771.	0.	3638.	558.	340.00
2.38	.00	8.47	.00	.000	.070	.000	.000	330.00	3876.88
.011483	305.	280.	280.	2	14	0	.00	243.28	4120.16

FLOW DISTRIBUTION FOR SECNO= 480.00 CWSEL= 338.06

STA=	3877.	4125.
PER Q=	100.0	
AREA=	1771.0	
VEL=	8.5	
DEPTH=	7.3	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 483.000

3470 ENCROACHMENT STATIONS= 2900.0 4240.0 TYPE= 1 TARGET= 1340.000

483.00	9.22	339.22	336.07	.00	340.21	.99	1.03	.01	340.00
15000.	0.	15000.	0.	0.	1877.	0.	3642.	559.	340.00
2.38	.00	7.99	.00	.000	.070	.000	.000	330.00	3858.07
.009211	100.	100.	105.	2	15	0	.00	238.94	4097.01

FLOW DISTRIBUTION FOR SECNO= 483.00 CWSEL= 339.22

STA= 3858. 4098.
PER Q= 100.0
AREA= 1877.3
VEL= 8.0
DEPTH= 7.9

*SECNO 484.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 2920.0 4190.0 TYPE= 1 TARGET= 1270.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 342.00 ELREA= 342.00

484.00	10.00	340.00	340.00	.00	342.76	2.76	1.97	.53	342.00
15000.	0.	15000.	0.	0.	1126.	0.	3646.	559.	342.00
2.38	.00	13.32	.00	.000	.070	.000	.000	330.00	3810.79
.041985	110.	115.	160.	0	8	0	.00	207.02	4017.82

FLOW DISTRIBUTION FOR SECNO= 484.00 CWSEL= 340.00

STA= 3811. 4061.
PER Q= 100.0
AREA= 1125.8
VEL= 13.3
DEPTH= 5.4

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

*SECNO 485.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 2920.0 4180.0 TYPE= 1 TARGET= 1260.000
CHUBB LANE CROSSING

485.00	3.61	343.61	343.61	.00	344.56	.95	.35	.18	342.00
15000.	6436.	7534.	1030.	878.	902.	152.	3646.	559.	342.00
2.38	7.33	8.35	6.76	.045	.070	.045	.000	340.00	2920.00
.030400	10.	10.	10.	0	22	0	.00	1033.77	4180.00

FLOW DISTRIBUTION FOR SECNO= 485.00 CWSEL= 343.61

STA=	2920.	2965.	3370.	3453.	3795.	4061.	4180.
PER Q=	3.2	34.4	2.2	3.1	50.2	6.9	
AREA=	65.7	651.8	66.8	93.8	902.4	152.2	
VEL=	7.2	7.9	5.0	5.0	8.3	6.8	
DEPTH=	1.4	1.6	.8	.3	3.4	1.3	

*SECNO 486.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2920.0 4180.0 TYPE= 1 TARGET= 1260.000

486.00	14.45	344.45	340.02	.00	344.70	.25	.06	.07	342.00
15000.	4197.	10108.	696.	1529.	2250.	251.	3647.	560.	342.00
2.38	2.74	4.49	2.77	.045	.070	.045	.000	330.00	2920.00
.002642	10.	10.	10.	3	17	0	.00	1260.00	4180.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 486.00 CWSEL= 344.45

STA=	2920.	2965.	3370.	3473.	3651.	3795.	4061.	4180.
PER Q=	2.0	20.3	2.2	.5	3.0	67.4	4.6	
AREA=	103.6	988.8	148.6	79.5	208.8	2249.9	251.1	
VEL=	2.9	3.1	2.2	1.0	2.2	4.5	2.8	
DEPTH=	2.3	2.4	1.4	.4	1.4	8.5	2.1	

1490 NH CARD USED
*SECNO 490.000

3470 ENCROACHMENT STATIONS= 3030.0 4120.0 TYPE= 1 TARGET= 1090.000

490.00	14.82	344.82	342.45	.00	345.03	.21	.33	.00	336.00
15000.	7579.	6448.	974.	2426.	1447.	620.	3664.	564.	336.00
2.40	3.12	4.45	1.57	.040	.070	.075	.000	330.00	3030.00
.001401	175.	175.	175.	2	9	0	.00	1090.00	4120.00

FLOW DISTRIBUTION FOR SECNO= 490.00 CWSEL= 344.82

STA=	3030.	3464.	3544.	3616.	3687.	3749.	3774.	3798.	3905.	4001.	4120.
PER Q=	22.5	4.2	3.8	3.7	7.2	3.3	5.9	43.0	3.8	2.6	
AREA=	1222.1	226.3	203.2	199.3	281.4	123.0	171.0	1447.5	324.3	295.4	
VEL=	2.8	2.8	2.8	2.8	3.8	4.0	5.2	4.5	1.8	1.3	
DEPTH=	2.8	2.8	2.8	2.8	4.5	4.8	7.2	13.4	3.4	2.5	

1490 NH CARD USED
*SECNO 500.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3280.0 4190.0 TYPE= 1 TARGET= 910.000

500.00	15.12	345.12	335.45	.00	345.21	.09	.18	.01	334.00
14000.	1816.	9152.	3033.	1285.	3448.	1343.	3726.	576.	334.00
2.46	1.41	2.65	2.26	.030	.040	.030	.000	330.00	3280.00
.000146	495.	510.	525.	2	18	0	.00	910.00	4190.00

FLOW DISTRIBUTION FOR SECNO= 500.00 CWSEL= 345.12

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

STA=	3280.	3696.	3752.	3767.	4005.	4024.	4113.	4140.	4175.	4190.
PER Q=	5.6	4.4	3.0	65.4	3.1	7.8	3.0	6.0	1.7	
AREA=	815.0	317.8	151.8	3447.8	167.2	547.3	191.9	322.9	113.6	
VEL=	1.0	1.9	2.8	2.7	2.6	2.0	2.2	2.6	2.1	
DEPTH=	2.0	5.7	10.1	14.4	9.2	6.1	7.1	9.1	7.7	

1490 NH CARD USED
*SECNO 507.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

507.00	11.17	345.17	338.68	.00	345.35	.18	.11	.03	342.00
14000.	12.	13799.	189.	10.	3986.	116.	3781.	584.	342.00
2.49	1.17	3.46	1.62	.040	.040	.040	.000	334.00	3854.72
.000447	510.	470.	450.	2	17	0	.00	475.36	4330.09

FLOW DISTRIBUTION FOR SECNO= 507.00 CWSEL= 345.17

STA=	3855.	3861.	4290.	4330.
PER Q=	.1	98.6	1.4	
AREA=	10.5	3985.9	116.5	
VEL=	1.2	3.5	1.6	
DEPTH=	1.8	9.3	2.9	

CCHV= .300 CEHV= .500
*SECNO 508.000

3370 NORMAL BRIDGE, NRD= 49 MIN ELTRD= 352.00 MAX ELLC= 352.00

MAGNOLIA AVE BRIDGE (NORMAL BRIDGE ROUTINE)

508.00	11.13	345.13	338.96	.00	345.40	.27	.01	.04	342.00
14000.	16.	13800.	184.	10.	3308.	93.	3782.	584.	342.00
2.49	1.52	4.17	1.98	.040	.030	.040	.000	334.00	3854.77
.000773	10.	10.	10.	2	18	0	-684.57	475.23	4330.00

FLOW DISTRIBUTION FOR SECNO= 508.00 CWSEL= 345.13

STA=	3855.	3861.	4290.	4304.	4322.	4330.
PER Q=	.1	98.6	.3	.9	.1	
AREA=	10.3	3307.8	23.8	57.3	11.9	
VEL=	1.5	4.2	1.8	2.2	1.3	
DEPTH=	1.7	7.7	1.6	3.1	1.6	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 509.000

3370 NORMAL BRIDGE, NRD= 49 MIN ELTRD= 352.00 MAX ELLC= 352.00

509.00	11.19	345.19	338.97	.00	345.45	.26	.05	.00	336.00
14000.	435.	13549.	16.	159.	3259.	12.	3787.	584.	342.00
2.50	2.74	4.16	1.34	.040	.030	.040	.000	334.00	3854.71
.000774	65.	65.	65.	1	18	0	-688.48	475.41	4330.11

FLOW DISTRIBUTION FOR SECNO= 509.00 CWSEL= 345.19

STA=	3855.	3861.	3866.	3870.	3889.	4322.	4330.
PER Q=	.1	.4	.3	2.3	96.8	.1	
AREA=	10.5	20.5	22.2	105.5	3258.6	12.3	
VEL=	1.5	2.5	1.7	3.1	4.2	1.3	
DEPTH=	1.8	4.2	5.7	5.3	7.5	1.6	

1490 NH CARD USED
*SECNO 510.000

3470 ENCROACHMENT STATIONS= 3864.0 4358.0 TYPE= 1 TARGET= 494.000

510.00	13.31	345.31	338.42	.00	345.48	.17	.01	.03	342.00
14000.	31.	13902.	67.	25.	4135.	44.	3788.	585.	341.00
2.50	1.26	3.36	1.54	.040	.040	.040	.000	332.00	3873.53
.000407	10.	10.	10.	2	14	0	.00	462.10	4335.63

FLOW DISTRIBUTION FOR SECNO= 510.00 CWSEL= 345.31

STA=	3874.	3885.	4317.	4336.
PER Q=	.2	99.3	.5	
AREA=	24.6	4135.5	43.8	
VEL=	1.3	3.4	1.5	
DEPTH=	2.1	9.6	2.4	

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 515.000

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

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3640.0 4470.0 TYPE= 1 TARGET= 830.000

515.00	13.50	345.50	334.97	.00	345.53	.03	.03	.01	334.00
14000.	3525.	10244.	231.	2855.	6889.	205.	3832.	589.	334.00
2.55	1.23	1.49	1.13	.040	.040	.040	.000	332.00	3644.50
.000050	250.	275.	350.	1	17	0	.00	824.96	4470.00

FLOW DISTRIBUTION FOR SECNO= 515.00 CWSEL= 345.50

STA=	3645.	3935.	4448.	4470.
PER Q=	25.2	73.2	1.7	
AREA=	2855.1	6888.5	204.9	
VEL=	1.2	1.5	1.1	
DEPTH=	9.8	13.4	9.2	

1490 NH CARD USED
*SECNO 520.000

3470 ENCROACHMENT STATIONS= 4240.0 5000.0 TYPE= 1 TARGET= 760.000

520.00	13.51	345.51	335.66	.00	345.57	.06	.03	.01	334.00
14000.	980.	12671.	349.	763.	6453.	388.	3943.	598.	334.00
2.63	1.28	1.96	.90	.040	.031	.040	.000	332.00	4264.60
.000056	515.	560.	590.	2	14	0	.00	664.66	4929.26

FLOW DISTRIBUTION FOR SECNO= 520.00 CWSEL= 345.51

STA=	4265.	4348.	4855.	4929.
PER Q=	7.0	90.5	2.5	
AREA=	762.9	6453.3	387.7	
VEL=	1.3	2.0	.9	
DEPTH=	9.2	12.7	5.2	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 530.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4050.0 4691.0 TYPE= 1 TARGET= 641.000

530.00	11.51	345.51	337.82	.00	345.64	.13	.05	.02	334.00
14000.	481.	11650.	1868.	278.	3753.	1047.	4033.	606.	334.00
2.69	1.73	3.10	1.78	.040	.030	.040	.000	334.00	4145.48
.000151	640.	620.	610.	2	14	0	.00	512.37	4657.86

FLOW DISTRIBUTION FOR SECNO= 530.00 CWSEL= 345.51

STA=	4145.	4152.	4155.	4160.	4175.	4183.	4190.	4525.	4590.	4648.	4658.
PER Q=	.0	.0	.2	1.1	1.0	1.2	1.4	7.5	4.3	.2	
AREA=	4.8	8.8	18.9	97.0	72.3	75.7	93.5	548.9	376.2	28.5	
VEL=	.4	.8	1.2	1.6	1.9	2.1	2.2	1.9	1.6	.8	
DEPTH=	.8	2.5	4.5	6.5	8.5	10.5	.3	8.5	6.5	2.8	

1490 NH CARD USED
*SECNO 535.000

3470 ENCROACHMENT STATIONS= 2070.0 2600.0 TYPE= 1 TARGET= 530.000

535.00	11.51	345.51	338.23	.00	345.71	.20	.05	.02	336.00
14000.	140.	12466.	1394.	88.	3341.	713.	4063.	609.	336.00
2.72	1.60	3.73	1.95	.040	.031	.040	.000	334.00	2099.75
.000227	290.	280.	275.	2	18	0	.00	434.09	2533.84

FLOW DISTRIBUTION FOR SECNO= 535.00 CWSEL= 345.51

STA=	2100.	2120.	2411.	2445.	2479.	2534.
PER Q=	1.0	89.0	4.8	3.0	2.1	
AREA=	87.8	3341.2	290.3	216.9	205.6	
VEL=	1.6	3.7	2.3	2.0	1.4	
DEPTH=	4.4	11.5	8.5	6.5	3.7	

1490 NH CARD USED

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 540.000

540.00	11.62	345.62	337.80	.00	345.79	.16	.07	.00	336.00
14000.	487.	13039.	474.	264.	3930.	287.	4097.	613.	336.00
2.75	1.85	3.32	1.65	.040	.030	.040	.000	334.00	2014.72
.000177	365.	350.	335.	2	17	0	.00	442.64	2457.36

FLOW DISTRIBUTION FOR SECNO= 540.00 CWSEL= 345.62

STA=	2015.	2028.	2035.	2056.	2395.	2410.	2417.	2432.	2444.	2457.
PER Q=	.2	.6	2.6	93.1	1.9	.5	.7	.2	.0	
AREA=	36.2	51.0	176.8	3929.6	131.1	42.4	70.8	32.0	10.7	
VEL=	.9	1.7	2.1	3.3	2.1	1.7	1.4	.9	.4	
DEPTH=	2.8	6.6	8.6	11.6	8.6	6.6	4.6	2.6	.8	

1490 NH CARD USED

*SECNO 550.000

550.00	11.73	345.73	338.58	.00	345.93	.20	.13	.01	336.00
14000.	1501.	11557.	943.	703.	3031.	614.	4163.	620.	336.00
2.80	2.14	3.81	1.53	.040	.030	.040	.000	334.00	1781.35
.000231	645.	650.	655.	2	18	0	.00	565.05	2346.40

FLOW DISTRIBUTION FOR SECNO= 550.00 CWSEL= 345.73

STA=	1781.	1894.	2153.	2199.	2346.
PER Q=	10.7	82.5	4.6	2.1	
AREA=	702.8	3031.4	317.3	297.0	
VEL=	2.1	3.8	2.0	1.0	
DEPTH=	6.2	11.7	6.9	2.0	

1490 NH CARD USED

*SECNO 560.000

560.00	11.93	345.93	338.60	.00	346.05	.12	.11	.01	336.00
14000.	756.	9628.	3615.	506.	3083.	2034.	4232.	629.	336.00
2.86	1.49	3.12	1.78	.050	.031	.040	.000	334.00	1569.15
.000157	605.	600.	595.	2	18	0	.00	644.95	2214.10

FLOW DISTRIBUTION FOR SECNO= 560.00 CWSEL= 345.93

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

STA=	1569.	1585.	1592.	1638.	1898.	2061.	2072.	2121.	2209.	2214.
PER Q=	.3	.4	4.7	68.8	20.8	.9	2.4	1.7	.0	
AREA=	48.2	46.4	411.7	3083.2	1452.9	76.2	244.0	255.5	5.4	
VEL=	.7	1.3	1.6	3.1	2.0	1.7	1.3	1.0	.4	
DEPTH=	3.0	6.9	8.9	11.9	8.9	6.9	4.9	2.9	1.0	

1490 NH CARD USED

*SECNO 562.000

562.00	11.99	345.99	338.27	.00	346.09	.10	.04	.00	336.00
14000.	981.	7348.	5671.	693.	2432.	3017.	4270.	633.	336.00
2.89	1.42	3.02	1.88	.050	.031	.040	.000	334.00	1084.16
.000145	280.	280.	285.	0	22	0	.00	706.56	1790.72

FLOW DISTRIBUTION FOR SECNO= 562.00 CWSEL= 345.99

STA=	1084.	1181.	1385.	1453.	1485.	1556.	1601.	1698.	1791.
PER Q=	7.0	52.5	11.8	6.3	10.5	3.7	6.1	2.0	
AREA=	693.4	2432.4	748.1	378.7	708.9	315.7	582.9	282.7	
VEL=	1.4	3.0	2.2	2.3	2.1	1.6	1.5	1.0	
DEPTH=	7.1	11.9	11.0	12.0	10.0	7.0	6.0	3.1	

1490 NH CARD USED

*SECNO 564.000

564.00	12.04	346.04	338.52	.00	346.13	.08	.03	.00	336.00
14000.	1433.	8775.	3792.	1004.	3303.	2178.	4302.	637.	336.00
2.92	1.43	2.66	1.74	.050	.034	.040	.000	334.00	916.00
.000139	220.	220.	220.	1	18	0	.00	720.39	1636.39

FLOW DISTRIBUTION FOR SECNO= 564.00 CWSEL= 346.04

STA=	916.	1053.	1332.	1507.	1592.	1636.
PER Q=	10.2	62.7	21.4	5.1	.6	
AREA=	1003.8	3303.1	1578.3	494.7	104.6	
VEL=	1.4	2.7	1.9	1.4	.8	
DEPTH=	7.3	11.8	9.0	5.8	2.4	

*SECNO 566.000

566.00	12.00	346.00	338.53	.00	346.21	.21	.05	.04	338.00
14000.	448.	12887.	665.	550.	3336.	553.	4337.	641.	338.00
2.94	.82	3.86	1.20	.085	.030	.060	.000	334.00	861.90
.000231	280.	280.	280.	2	18	0	.00	512.59	1374.50

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

FLOW DISTRIBUTION FOR SECNO= 566.00 CWSEL= 346.00

STA=	862.	972.	1258.	1312.	1374.
PER Q=	3.2	92.1	3.8	1.0	
AREA=	549.7	3336.2	381.5	171.7	
VEL=	.8	3.9	1.4	.8	
DEPTH=	5.0	11.7	7.0	2.7	

*SECNO 570.000

570.00	11.95	345.95	339.37	.00	346.36	.41	.09	.06	336.00
14000.	422.	12765.	812.	442.	2386.	481.	4362.	644.	336.00
2.96	.95	5.35	1.69	.085	.030	.060	.000	334.00	1531.64
.000431	285.	280.	280.	2	14	0	.00	415.97	1947.61

FLOW DISTRIBUTION FOR SECNO= 570.00 CWSEL= 345.95

STA=	1532.	1643.	1843.	1868.	1948.
PER Q=	3.0	91.2	3.1	2.7	
AREA=	442.4	2386.3	205.8	275.2	
VEL=	1.0	5.3	2.1	1.4	
DEPTH=	4.0	11.9	8.4	3.5	

*SECNO 572.000

572.00	12.12	346.12	339.03	.00	346.44	.32	.07	.01	336.00
14000.	661.	12772.	567.	500.	2705.	346.	4377.	645.	336.00
2.97	1.32	4.72	1.64	.085	.030	.060	.000	334.00	768.82
.000329	200.	187.	178.	2	14	0	.00	343.20	1112.02

FLOW DISTRIBUTION FOR SECNO= 572.00 CWSEL= 346.12

STA=	769.	832.	1056.	1097.	1112.
PER Q=	4.7	91.2	3.8	.3	
AREA=	500.3	2705.2	307.1	39.1	
VEL=	1.3	4.7	1.7	1.1	
DEPTH=	7.9	12.1	7.5	2.7	

*SECNO 574.000

574.00	12.30	346.30	338.13	.00	346.50	.20	.05	.01	336.00
14000.	189.	13404.	406.	214.	3635.	319.	4394.	647.	336.00
2.98	.89	3.69	1.27	.085	.030	.060	.000	334.00	713.10
.000197	210.	200.	190.	2	17	0	.00	378.70	1091.80

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 574.00 CWSEL= 346.30

STA=	713.	721.	726.	742.	748.	1044.	1049.	1081.	1085.	1092.
PER Q=	.1	.1	.8	.4	95.7	.5	2.2	.1	.1	
AREA=	19.0	22.2	117.5	54.8	3634.6	48.3	235.7	20.7	14.6	
VEL=	.5	.7	.9	1.0	3.7	1.5	1.3	1.0	.5	
DEPTH=	2.3	5.3	7.3	9.3	12.3	9.3	7.3	5.3	2.1	

*SECNO 576.000

576.00	12.27	346.27	339.15	.00	346.57	.30	.04	.03	338.00
14000.	181.	12546.	1273.	175.	2733.	815.	4410.	649.	338.00
2.99	1.04	4.59	1.56	.085	.030	.060	.000	334.00	699.23
.000313	190.	170.	165.	2	14	0	.00	387.19	1086.42

FLOW DISTRIBUTION FOR SECNO= 576.00 CWSEL= 346.27

STA=	699.	707.	713.	714.	733.	959.	1049.	1076.	1086.
PER Q=	.0	.1	.0	1.2	89.6	7.6	1.3	.1	
AREA=	8.7	20.0	6.3	139.6	2733.2	650.9	141.3	23.1	
VEL=	.4	.7	.6	1.2	4.6	1.6	1.3	.7	
DEPTH=	1.1	3.3	5.3	7.3	12.1	7.3	5.3	2.1	

*SECNO 582.000

582.00	10.34	346.34	341.21	.00	346.72	.38	.13	.03	338.00
14000.	248.	11866.	1885.	284.	2223.	1145.	4437.	652.	338.00
3.01	.88	5.34	1.65	.085	.030	.060	.000	336.00	589.38
.000521	335.	330.	310.	1	14	0	.00	559.30	1148.68

FLOW DISTRIBUTION FOR SECNO= 582.00 CWSEL= 346.34

STA=	589.	698.	914.	1044.	1141.	1149.
PER Q=	1.8	84.8	8.8	4.5	.1	
AREA=	283.8	2223.1	706.2	420.2	18.7	
VEL=	.9	5.3	1.7	1.5	1.0	
DEPTH=	2.6	10.3	5.4	4.3	2.3	

*SECNO 584.000

584.00	10.51	346.51	341.04	.00	346.83	.31	.09	.01	338.00
14000.	621.	11494.	1885.	477.	2349.	1148.	4455.	654.	338.00
3.03	1.30	4.89	1.64	.085	.030	.060	.000	336.00	556.01
.000429	210.	200.	190.	2	11	0	.00	522.26	1078.28

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

FLOW DISTRIBUTION FOR SECNO= 584.00 CWSEL= 346.51

STA=	556.	562.	574.	581.	633.	858.	993.	1067.	1073.	1078.
PER Q=	.0	.2	.3	3.8	82.1	11.2	2.2	.0	.0	
AREA=	7.0	40.8	42.5	386.9	2349.3	878.0	260.0	8.8	1.5	
VEL=	.4	.8	1.1	1.4	4.9	1.8	1.2	.7	.2	
DEPTH=	1.2	3.5	5.5	7.5	10.4	6.5	3.5	1.5	.3	

*SECNO 586.000

586.00	10.62	346.62	341.49	.00	346.92	.30	.09	.00	338.00
14000.	713.	10058.	3229.	576.	2000.	1691.	4474.	657.	338.00
3.04	1.24	5.03	1.91	.085	.030	.060	.000	336.00	479.58
.000449	205.	205.	205.	0	11	0	.00	545.19	1024.77

FLOW DISTRIBUTION FOR SECNO= 586.00 CWSEL= 346.62

STA=	480.	489.	507.	583.	773.	930.	1013.	1019.	1023.	1025.
PER Q=	.0	.4	4.7	71.8	17.3	5.5	.2	.0	.0	
AREA=	9.9	66.1	499.8	1999.7	1193.4	466.8	24.2	6.4	.4	
VEL=	.4	.9	1.3	5.0	2.0	1.7	1.2	.7	.2	
DEPTH=	1.1	3.6	6.6	10.5	7.6	5.6	3.6	1.6	.3	

*SECNO 592.000

3470 ENCROACHMENT STATIONS= 345.0 800.0 TYPE= 1 TARGET= 455.000

592.00	10.64	346.64	342.68	.00	347.24	.60	.23	.09	338.00
14000.	649.	10781.	2570.	353.	1553.	1002.	4505.	661.	338.00
3.06	1.84	6.94	2.56	.085	.030	.060	.000	336.00	379.09
.000901	375.	380.	385.	2	14	0	.00	379.10	758.19

FLOW DISTRIBUTION FOR SECNO= 592.00 CWSEL= 346.64

STA=	379.	444.	598.	671.	724.	758.
PER Q=	4.6	77.0	9.3	6.6	2.5	
AREA=	352.9	1553.4	493.5	352.8	155.8	
VEL=	1.8	6.9	2.6	2.6	2.2	
DEPTH=	5.4	10.1	6.7	6.6	4.6	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 594.000

3235 SLOPE TOO STEEP, EXCEEDS .10

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

594.00	6.54	346.54	346.54	.00	349.36	2.81	.70	.66	342.00
14000.	778.	12416.	806.	54.	934.	54.	4516.	663.	342.00
3.06	14.29	13.30	14.97	.075	.125	.065	.000	340.00	612.31
.108775	230.	230.	230.	0	14	0	.00	190.56	802.87

FLOW DISTRIBUTION FOR SECNO= 594.00 CWSEL= 346.54

STA=	612.	617.	631.	780.	790.	801.	803.
PER Q=	.3	5.2	88.7	4.6	1.1	.0	
AREA=	5.9	48.6	933.9	37.2	16.1	.6	
VEL=	7.7	15.1	13.3	17.3	10.0	3.1	
DEPTH=	1.2	3.5	6.3	3.5	1.5	.3	

*SECNO 600.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 600.0 1050.0 TYPE= 1 TARGET= 450.000

600.00	10.67	352.67	347.95	.00	353.17	.50	3.58	.23	346.00
14000.	2100.	11554.	346.	376.	2048.	54.	4522.	663.	346.00
3.07	5.58	5.64	6.36	.075	.125	.065	.000	342.00	687.64
.010197	145.	150.	155.	5	8	0	.00	304.48	992.11

FLOW DISTRIBUTION FOR SECNO= 600.00 CWSEL= 352.67

STA=	688.	694.	706.	714.	721.	757.	779.	979.	986.	989.	992.
PER Q=	.0	.4	1.0	1.2	6.8	5.6	82.5	2.1	.3	.1	
AREA=	2.0	20.5	30.1	29.9	170.8	123.0	2047.7	41.4	8.4	4.5	
VEL=	1.0	2.8	4.7	5.6	5.6	6.3	5.6	7.2	4.5	2.4	
DEPTH=	.3	1.7	3.7	4.7	4.7	5.7	10.2	5.7	3.7	1.3	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 610.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 200.0 652.3 TYPE= 1 TARGET= 452.300

610.00	12.74	354.74	346.85	.00	354.96	.21	1.76	.03	346.00
14000.	376.	13357.	267.	103.	3616.	67.	4544.	666.	346.00
3.09	3.67	3.69	3.96	.075	.125	.065	.000	342.00	290.77
.003547	295.	315.	355.	4	14	0	.00	346.51	637.28

FLOW DISTRIBUTION FOR SECNO= 610.00 CWSEL= 354.74

STA=	291.	302.	305.	308.	314.	320.	623.	627.	630.	637.
PER Q=	.0	.1	.2	.8	1.6	95.4	1.1	.6	.3	
AREA=	4.0	5.8	12.4	31.6	48.8	3615.7	30.2	20.7	16.6	
VEL=	.6	1.5	2.6	3.6	4.5	3.7	4.9	4.0	2.1	
DEPTH=	.4	1.7	3.7	5.7	7.7	11.9	7.7	5.7	2.4	

*SECNO 620.000

3470 ENCROACHMENT STATIONS= 250.0 750.0 TYPE= 1 TARGET= 500.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 364.00 ELREA= 364.00

620.00	12.32	356.32	348.79	.00	356.53	.21	1.57	.00	364.00
14000.	0.	14000.	0.	0.	3811.	0.	4579.	669.	364.00
3.12	.00	3.67	.00	.000	.125	.000	.000	344.00	340.18
.004479	395.	395.	395.	2	18	0	.00	379.77	719.95

FLOW DISTRIBUTION FOR SECNO= 620.00 CWSEL= 356.32

STA=	340.	732.
PER Q=	100.0	
AREA=	3810.7	
VEL=	3.7	
DEPTH=	10.0	

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

*SECNO 630.000

3470 ENCROACHMENT STATIONS= 300.0 805.0 TYPE= 1 TARGET= 505.000

630.00	13.37	357.37	349.53	.00	357.60	.23	1.07	.01	348.00
14000.	673.	12603.	724.	203.	3323.	152.	4602.	671.	348.00
3.14	3.32	3.79	4.77	.075	.125	.065	.000	344.00	386.26
.003628	235.	265.	295.	1	14	0	.00	357.36	743.62

FLOW DISTRIBUTION FOR SECNO= 630.00 CWSEL= 357.37

STA=	386.	395.	427.	433.	438.	446.	718.	730.	744.
PER Q=	.0	1.1	.6	.9	2.1	90.0	4.1	1.1	
AREA=	6.1	74.8	28.0	33.8	60.3	3322.8	102.2	49.5	
VEL=	.9	2.1	3.1	3.9	4.8	3.8	5.6	3.0	
DEPTH=	.7	2.4	4.4	6.4	8.4	12.2	8.4	3.7	

*SECNO 640.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

FINAL CROSS SECTION - APPROX. 200 FT. DOWNSTREAM RIVERFORD BRIDGE

640.00	13.14	359.14	353.37	.00	359.91	.77	2.15	.16	350.00
14000.	562.	12780.	658.	97.	1791.	99.	4624.	673.	350.00
3.16	5.78	7.13	6.68	.075	.125	.065	.000	346.00	412.61
.012575	345.	350.	355.	2	11	0	.00	186.55	599.16

FLOW DISTRIBUTION FOR SECNO= 640.00 CWSEL= 359.14

STA=	413.	434.	578.	599.
PER Q=	4.0	91.3	4.7	
AREA=	97.3	1791.3	98.5	
VEL=	5.8	7.1	6.7	
DEPTH=	4.6	12.5	4.6	

T1 SAN DIEGO RIVER
T2 CITY OF SANTEE
T3 100 YEAR FLOOD (FEMA)

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		4			-1				280	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15	0	-1				-1			15

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

*PROF 3

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS
0

CCHV= .100 CEHV= .300
*SECNO 100.000
3720 CRITICAL DEPTH ASSUMED
MISSION DAM - DOWNSTREAM LIMIT OF STUDY (SUB-CRITICAL FLOW ASSUMED)

100.00	10.54	280.54	280.54	280.00	284.91	4.37	.00	.00	280.00
38000.	7.	37993.	1.	2.	2265.	0.	0.	0.	280.00
.00	3.72	16.78	3.10	.080	.180	.080	.000	270.00	333.94
.233323	0.	0.	0.	0	7	0	.00	267.38	601.32

FLOW DISTRIBUTION FOR SECNO= 100.00 CWSEL= 280.54

STA=	334.	341.	601.	601.
PER Q=	.0	100.0	.0	
AREA=	1.8	2264.5	.2	
VEL=	3.7	16.8	3.1	
DEPTH=	.3	8.7	.3	

*SECNO 110.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

110.00	13.98	287.98	284.28	.00	289.87	1.89	4.71	.25	280.00
38000.	2885.	34430.	685.	195.	3227.	65.	3.	0.	280.00
.00	14.76	10.67	10.58	.080	.180	.080	.000	274.00	299.47
.059233	45.	45.	45.	3	8	0	.00	317.03	616.51

FLOW DISTRIBUTION FOR SECNO= 110.00 CWSEL= 287.98

STA=	299.	308.	314.	319.	340.	600.	617.
PER Q=	.1	.4	.8	6.2	90.6	1.8	
AREA=	8.6	17.6	25.4	143.9	3227.2	64.7	
VEL=	4.4	9.0	12.6	16.5	10.7	10.6	
DEPTH=	1.0	3.0	5.0	7.0	12.4	4.0	

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

*SECNO 120.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

120.00	16.82	290.82	284.61	.00	292.03	1.20	2.09	.07	280.00
38000.	3809.	31135.	3055.	332.	3785.	291.	8.	1.	280.00
.00	11.48	8.23	10.49	.080	.180	.080	.000	274.00	298.54
.026388	55.	55.	55.	3	15	0	.00	352.06	650.59

FLOW DISTRIBUTION FOR SECNO= 120.00 CWSEL= 290.82

STA=	299.	304.	312.	319.	327.	341.	355.	603.	644.	649.	651.
PER Q=	.0	.2	.5	1.2	3.4	4.7	81.9	7.9	.1	.0	
AREA=	2.4	13.3	28.7	47.2	109.5	130.6	3785.4	281.1	9.3	.7	
VEL=	1.7	4.4	7.2	9.6	11.8	13.7	8.2	10.7	4.3	1.6	
DEPTH=	.4	1.8	3.8	5.8	7.8	9.8	15.3	6.8	1.8	.4	

*SECNO 130.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

130.00	21.99	297.99	287.48	.00	298.61	.62	6.53	.06	280.00
38000.	5619.	23528.	8854.	824.	4564.	1046.	73.	6.	280.00
.03	6.82	5.16	8.47	.080	.180	.080	.000	276.00	205.47
.007316	520.	520.	520.	5	19	0	.00	477.60	683.07

FLOW DISTRIBUTION FOR SECNO= 130.00 CWSEL= 297.99

STA=	205.	325.	341.	353.	584.	600.	612.	628.	644.	683.
PER Q=	7.2	3.6	4.0	61.9	7.5	4.6	4.7	3.8	2.7	
AREA=	476.8	175.9	170.8	4563.9	273.6	181.4	205.3	184.7	200.9	
VEL=	5.7	7.8	8.8	5.2	10.4	9.6	8.7	7.8	5.1	
DEPTH=	4.0	11.0	14.7	19.8	17.0	15.0	13.0	11.0	5.2	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= .300 CEHV= .500
*SECNO 140.000

140.00	25.91	301.91	288.62	.00	302.44	.53	3.80	.03	284.00
38000.	3861.	28378.	5762.	617.	5399.	730.	157.	11.	284.00
.05	6.25	5.26	7.90	.080	.180	.080	.000	276.00	159.51
.006421	555.	555.	555.	3	11	0	.00	395.33	554.85

FLOW DISTRIBUTION FOR SECNO= 140.00 CWSEL= 301.91

STA=	160.	218.	237.	243.	482.	498.	508.	547.	555.
PER Q=	3.7	4.2	2.2	74.7	6.6	3.5	5.0	.0	
AREA=	306.1	221.8	89.6	5399.3	257.1	150.6	314.3	7.6	
VEL=	4.6	7.2	9.4	5.3	9.8	8.9	6.1	1.4	
DEPTH=	5.2	11.4	16.9	22.5	16.9	14.9	8.0	1.0	

*SECNO 150.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 108.5 1170.0 TYPE= 1 TARGET= 1061.500

150.00	23.43	303.43	287.08	.00	303.62	.19	1.07	.10	290.00
38000.	871.	22246.	14883.	465.	10277.	3081.	292.	20.	290.00
.10	1.87	2.16	4.83	.080	.160	.035	.000	280.00	193.86
.000881	555.	580.	555.	3	14	0	.00	976.14	1170.00

FLOW DISTRIBUTION FOR SECNO= 150.00 CWSEL= 303.43

STA=	194.	274.	738.	759.	870.	1042.	1153.	1170.
PER Q=	2.3	58.5	4.0	12.9	16.1	5.7	.3	
AREA=	464.7	10277.1	238.8	941.8	1279.0	568.1	53.5	
VEL=	1.9	2.2	6.4	5.2	4.8	3.8	2.5	
DEPTH=	5.8	22.1	11.7	8.4	7.4	5.1	3.2	

1490 NH CARD USED
*SECNO 160.000

3265 DIVIDED FLOW

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

160.00	21.97	303.97	292.21	.00	304.05	.09	.41	.03	292.00
38000.	33312.	3779.	910.	13905.	1563.	775.	561.	41.	290.00
.19	2.40	2.42	1.17	.072	.080	.056	.000	282.00	371.95
.000350	900.	670.	670.	2	25	0	.00	1351.05	1792.62

FLOW DISTRIBUTION FOR SECNO= 160.00 CWSEL= 303.97

STA=	372.	497.	524.	590.	638.	1193.	1295.	1331.	1412.	1793.
PER Q=	16.7	3.9	10.3	6.0	46.3	3.0	1.3	9.9	2.4	
AREA=	1552.4	565.9	1438.4	923.8	8330.4	762.8	331.7	1563.5	774.6	
VEL=	4.1	2.6	2.7	2.5	2.1	1.5	1.5	2.4	1.2	
DEPTH=	12.4	21.0	22.0	19.3	15.0	7.5	9.1	19.3	2.0	

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 170.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= .0 2100.0 TYPE= 1 TARGET= 2099.999

170.00	22.08	304.08	293.21	.00	304.13	.05	.08	.00	292.00
38000.	27340.	1769.	8891.	14658.	1099.	5257.	699.	52.	290.00
.24	1.87	1.61	1.69	.060	.080	.054	.000	282.00	353.97
.000168	325.	320.	315.	2	8	0	.00	1746.03	2100.00

FLOW DISTRIBUTION FOR SECNO= 170.00 CWSEL= 304.08

STA=	354.	490.	536.	570.	744.	814.	868.	978.	1483.	1544.	1725.	1820.	1884.
PER Q=	3.2	3.3	3.9	25.1	7.2	3.8	5.1	20.4	4.7	8.3	6.6	3.2	
AREA=	704.5	522.1	509.7	2982.4	1475.6	915.4	1440.3	6108.3	1098.8	2371.7	1046.1	580.3	
VEL=	1.7	2.4	2.9	3.2	1.8	1.6	1.3	1.3	1.6	1.3	2.4	2.1	
DEPTH=	5.2	11.3	15.1	17.1	21.2	17.1	13.1	12.1	18.0	13.1	11.1	9.1	

STA=	1884.	1989.	2100.
PER Q=	3.5	1.8	
AREA=	742.8	516.1	
VEL=	1.8	1.3	
DEPTH=	7.1	4.6	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 180.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= .0 2000.0 TYPE= 1 TARGET= 1999.999

180.00	18.13	304.13	292.37	.00	304.20	.07	.06	.00	292.00
38000.	32214.	3907.	1879.	14831.	3668.	1564.	953.	73.	290.00
.32	2.17	1.06	1.20	.038	.080	.040	.000	286.00	483.06
.000082	529.	550.	570.	2	27	0	.00	1516.94	2000.00

FLOW DISTRIBUTION FOR SECNO= 180.00 CWSEL= 304.13

STA=	483.	647.	703.	1032.	1109.	1308.	1530.	1759.	1884.	2000.
PER Q=	7.1	7.5	48.5	8.9	6.4	6.3	10.3	3.5	1.4	
AREA=	1392.4	959.4	5965.6	1207.2	2613.4	2693.4	3668.4	1000.6	563.4	
VEL=	1.9	3.0	3.1	2.8	.9	.9	1.1	1.3	.9	
DEPTH=	8.5	17.1	18.1	15.7	13.1	12.1	16.0	8.0	4.9	

1490 NH CARD USED
*SECNO 190.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

190.00	18.17	304.17	296.09	.00	304.23	.05	.03	.00	296.00
38000.	35057.	2848.	95.	18037.	3880.	242.	1198.	90.	290.00
.39	1.94	.73	.39	.031	.080	.071	.000	286.00	448.28
.000037	505.	505.	505.	2	20	0	.00	1445.98	1894.26

FLOW DISTRIBUTION FOR SECNO= 190.00 CWSEL= 304.17

STA=	448.	978.	1037.	1375.	1414.	1576.	1810.	1894.
PER Q=	46.5	5.8	33.7	3.1	3.1	7.5	.2	
AREA=	8751.8	1057.5	6145.3	621.2	1461.2	3880.3	241.9	
VEL=	2.0	2.1	2.1	1.9	.8	.7	.4	
DEPTH=	16.5	18.2	18.2	16.0	9.0	16.6	2.9	

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

1490 NH CARD USED
*SECNO 200.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

200.00	18.23	304.23	296.04	.00	304.29	.06	.06	.00	296.00
38000.	25807.	2296.	9897.	17706.	1830.	3495.	1574.	116.	294.00
.50	1.46	1.25	2.83	.120	.125	.042	.000	286.00	330.74
.000317	720.	740.	750.	1	30	0	.00	1650.90	1981.63

FLOW DISTRIBUTION FOR SECNO= 200.00 CWSEL= 304.23

STA=	331.	459.	976.	1203.	1407.	1440.	1563.	1637.	1696.	1771.	1908.	1982.
PER Q=	4.0	32.1	16.0	14.3	1.5	6.0	3.6	4.9	5.3	11.2	1.0	
AREA=	652.1	8735.4	4152.7	3708.1	457.5	1830.3	626.0	593.9	699.0	1379.7	196.0	
VEL=	2.3	1.4	1.5	1.5	1.2	1.3	2.2	3.1	2.9	3.1	1.9	
DEPTH=	5.1	16.9	18.2	18.2	13.9	14.9	8.4	10.2	9.2	10.1	2.6	

1490 NH CARD USED
*SECNO 209.000

209.00	18.37	304.37	298.01	.00	304.43	.06	.14	.00	298.00
38000.	19217.	5155.	13628.	12591.	3653.	5023.	1784.	132.	294.00
.56	1.53	1.41	2.71	.124	.125	.040	.000	286.00	378.61
.000391	430.	390.	365.	2	29	0	.00	1917.89	2296.50

FLOW DISTRIBUTION FOR SECNO= 209.00 CWSEL= 304.37

STA=	379.	554.	673.	779.	1081.	1151.	1233.	1479.	1655.	1934.	2100.	2297.
PER Q=	3.9	7.0	7.6	23.9	5.0	3.1	13.6	14.2	15.0	5.3	1.4	
AREA=	1203.7	1825.6	1842.6	5544.9	1212.2	962.2	3652.8	1650.4	2055.3	888.7	429.0	
VEL=	1.2	1.5	1.6	1.6	1.6	1.2	1.4	3.3	2.8	2.3	1.2	
DEPTH=	6.8	15.4	17.4	18.4	17.4	11.7	14.9	9.4	7.4	5.4	2.2	

1490 NH CARD USED
*SECNO 210.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

210.00	18.27	304.27	298.71	.00	304.48	.22	.01	.05	298.00
38000.	6899.	8613.	22488.	4986.	3628.	4942.	1788.	133.	294.00
.56	1.38	2.37	4.55	.120	.125	.040	.000	286.00	379.89
.001115	10.	10.	10.	2	14	0	.00	1912.10	2291.99

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 210.00 CWSEL= 304.27

STA=	380.	1233.	1479.	1655.	1934.	2100.	2292.
PER Q=	18.2	22.7	23.5	24.8	8.6	2.2	
AREA=	4986.3	3628.2	1632.8	2027.3	872.1	409.6	
VEL=	1.4	2.4	5.5	4.7	3.8	2.1	
DEPTH=	5.8	14.8	9.3	7.3	5.3	2.1	

1490 NH CARD USED
*SECNO 211.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

211.00	18.44	304.44	298.02	.00	304.50	.06	.01	.02	298.00
38000.	19152.	5139.	13709.	12654.	3671.	5084.	1792.	133.	294.00
.57	1.51	1.40	2.70	.124	.125	.040	.000	286.00	377.66
.000382	10.	10.	10.	2	28	0	.00	1922.16	2299.82

FLOW DISTRIBUTION FOR SECNO= 211.00 CWSEL= 304.44

STA=	378.	554.	673.	779.	1081.	1151.	1233.	1479.	1655.	1934.	2100.	2300.
PER Q=	4.0	7.0	7.6	23.8	5.0	3.1	13.5	14.2	15.1	5.3	1.4	
AREA=	1216.7	1834.3	1850.4	5567.2	1217.3	968.3	3671.0	1663.4	2075.9	900.9	443.7	
VEL=	1.2	1.4	1.6	1.6	1.6	1.2	1.4	3.2	2.8	2.2	1.2	
DEPTH=	6.9	15.4	17.4	18.4	17.4	11.8	14.9	9.4	7.4	5.4	2.2	

*SECNO 220.000

220.00	16.70	304.70	297.10	.00	304.84	.14	.32	.02	292.00
38000.	6257.	4679.	27064.	2063.	4966.	8471.	2132.	166.	292.00
.64	3.03	.94	3.20	.040	.200	.040	.000	288.00	453.30
.000414	830.	810.	770.	2	11	0	.00	1684.07	2137.37

FLOW DISTRIBUTION FOR SECNO= 220.00 CWSEL= 304.70

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

STA=	453.	574.	652.	736.	746.	1065.	1378.	1494.	1563.	1687.	1757.	1873.	1965.
PER Q=	3.4	4.5	7.4	1.1	12.3	37.6	6.5	3.3	5.9	3.3	5.5	4.3	
AREA=	545.1	584.2	822.9	111.2	4966.4	3661.0	852.4	463.2	834.0	469.3	775.6	614.1	
VEL=	2.4	2.9	3.4	3.8	.9	3.9	2.9	2.7	2.7	2.7	2.7	2.7	
DEPTH=	4.5	7.6	9.7	11.7	15.6	11.7	7.3	6.7	6.7	6.7	6.7	6.7	

STA=	1965.	2086.	2137.
PER Q=	4.4	.5	
AREA=	691.9	109.1	
VEL=	2.4	1.6	
DEPTH=	5.7	2.1	

*SECNO 230.000

3470 ENCROACHMENT STATIONS=		825.0	2050.0	TYPE=	1	TARGET=	1225.000		
230.00	16.89	304.89	298.79	.00	305.11	.22	.24	.02	292.00
38000.	2673.	3500.	31827.	782.	3142.	8064.	2289.	182.	292.00
.68	3.42	1.11	3.95	.040	.200	.040	.000	288.00	825.00
.000578	465.	490.	505.	0	16	0	.00	1225.00	2050.00

FLOW DISTRIBUTION FOR SECNO= 230.00 CWSEL= 304.89

STA=	825.	940.	941.	1143.	1280.	1427.	1544.	1826.	2021.	2050.
PER Q=	6.9	.2	9.2	20.1	18.5	14.7	17.6	11.5	1.5	
AREA=	762.8	19.0	3142.3	1637.1	1599.8	1268.5	2015.9	1344.4	198.0	
VEL=	3.4	3.4	1.1	4.7	4.4	4.4	3.3	3.2	2.8	
DEPTH=	6.7	11.9	15.6	11.9	10.9	10.9	7.1	6.9	6.9	

*SECNO 239.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=		2370.0	3040.0	TYPE=	1	TARGET=	670.000		
239.00	14.95	304.95	297.86	.00	305.82	.87	.52	.20	294.00
38000.	2262.	13045.	22693.	255.	4775.	2510.	2385.	192.	294.00
.70	8.86	2.73	9.04	.040	.200	.040	.000	290.00	2370.00
.003793	400.	420.	440.	2	12	0	.00	670.00	3040.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 239.00 CWSEL= 304.95

STA=	2370.	2385.	2399.	2724.	2732.	2742.	2758.	2827.	2869.	3000.	3040.
PER Q=	2.3	3.6	34.3	1.9	2.0	2.4	13.1	9.8	24.8	5.6	
AREA=	124.0	131.4	4775.2	70.7	85.1	110.5	547.9	378.7	1035.3	281.5	
VEL=	7.1	10.5	2.7	10.3	9.0	8.3	9.1	9.9	9.1	7.5	
DEPTH=	8.1	10.0	14.7	10.0	8.0	7.0	8.0	9.0	8.0	7.0	

*SECNO 240.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

240.00	16.98	306.98	297.17	.00	307.39	.41	1.52	.05	306.00
38000.	3.	37997.	0.	1.	7397.	0.	2425.	195.	310.00
.71	2.48	5.14	.00	.040	.200	.000	.000	290.00	2517.24
.013229	195.	230.	255.	2	11	0	.00	493.98	3011.22

FLOW DISTRIBUTION FOR SECNO= 240.00 CWSEL= 306.98

STA=	2517.	2519.	3032.
PER Q=	.0	100.0	
AREA=	1.0	7396.9	
VEL=	2.5	5.1	
DEPTH=	.5	15.0	

CCHV= .300 CEHV= .500
*SECNO 242.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3370 NORMAL BRIDGE, NRD= 31 MIN ELTRD= 312.00 MAX ELLC= 311.50

MAST BLVD BRIDGE (NORMAL BRIDGE ROUTINE)

242.00	16.97	306.97	297.53	.00	307.45	.48	.02	.04	306.00
38000.	1.	37999.	0.	1.	6806.	0.	2427.	195.	310.00
.71	.87	5.58	.00	.030	.040	.000	.000	290.00	2517.27
.000939	10.	10.	10.	2	19	0	-583.02	493.85	3011.12

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

FLOW DISTRIBUTION FOR SECNO= 242.00 CWSEL= 306.97

STA= 2517. 2519. 3032.
PER Q= .0 100.0
AREA= 1.0 6806.4
VEL= .9 5.6
DEPTH= .5 13.8

*SECNO 243.000

3370 NORMAL BRIDGE, NRD= 31 MIN ELTRD= 312.00 MAX ELLC= 311.50

243.00	17.03	307.03	297.53	.00	307.51	.48	.06	.00	313.00
38000.	0.	37980.	20.	0.	6827.	10.	2437.	196.	300.00
.71	.00	5.56	1.87	.000	.040	.030	.000	290.00	2517.13
.000920	65.	65.	65.	2	19	0	-585.77	494.44	3011.57

FLOW DISTRIBUTION FOR SECNO= 243.00 CWSEL= 307.03

STA= 2517. 3002. 3005.
PER Q= 99.9 .1
AREA= 6826.6 10.5
VEL= 5.6 1.9
DEPTH= 14.1 4.0

CCHV= .100 CEHV= .300
*SECNO 244.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

244.00	17.12	307.12	297.69	.00	307.54	.41	.02	.01	310.00
38000.	0.	38000.	0.	0.	7352.	0.	2439.	196.	310.00
.71	.00	5.17	.00	.000	.140	.000	.000	290.00	2559.70
.006867	10.	10.	10.	2	14	0	.00	510.83	3070.54

FLOW DISTRIBUTION FOR SECNO= 244.00 CWSEL= 307.12

STA= 2560. 3076.
PER Q= 100.0
AREA= 7351.7
VEL= 5.2
DEPTH= 14.4

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

*SECNO 245.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 100.0 1515.0 TYPE= 1 TARGET= 1415.000

245.00	17.60	307.60	296.07	.00	307.90	.29	.35	.01	292.00
38000.	15027.	17368.	5605.	2494.	8076.	1368.	2477.	199.	292.00
.73	6.02	2.15	4.10	.040	.140	.055	.000	290.00	657.65
.000920	210.	165.	200.	2	18	0	.00	857.35	1515.00

FLOW DISTRIBUTION FOR SECNO= 245.00 CWSEL= 307.60

STA=	658.	777.	817.	928.	1396.	1452.	1493.	1515.
PER Q=	3.0	7.6	28.9	45.7	8.6	4.0	2.1	
AREA=	375.7	486.0	1632.7	8075.9	720.4	405.5	241.9	
VEL=	3.0	5.9	6.7	2.2	4.5	3.8	3.4	
DEPTH=	3.2	12.1	14.6	17.3	13.0	9.8	10.9	

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 250.000

250.00	18.39	308.39	299.02	.00	308.53	.14	.62	.01	294.00
38000.	5707.	5891.	26401.	1446.	3042.	8707.	2695.	216.	294.00
.80	3.95	1.94	3.03	.046	.140	.068	.000	290.00	2344.04
.000738	705.	740.	790.	2	11	0	.00	1193.14	3537.17

FLOW DISTRIBUTION FOR SECNO= 250.00 CWSEL= 308.39

STA=	2344.	2479.	2551.	2567.	2741.	2947.	2973.	3001.	3023.	3054.	3089.	3130.	3185.
PER Q=	3.1	11.0	.9	15.5	10.5	3.3	4.0	3.7	4.5	3.9	3.3	4.2	
AREA=	414.0	819.2	212.7	3042.1	2578.9	316.9	369.2	322.1	416.1	398.2	388.3	499.0	
VEL=	2.9	5.1	1.6	1.9	1.6	3.9	4.1	4.3	4.1	3.7	3.3	3.2	
DEPTH=	3.1	11.4	13.4	17.5	12.5	12.4	13.4	14.4	13.4	11.4	9.4	9.1	

STA=	3185.	3222.	3249.	3439.	3517.	3537.
PER Q=	4.6	3.1	21.1	3.2	.1	
AREA=	446.7	312.9	2159.6	472.0	26.8	
VEL=	3.9	3.7	3.7	2.6	.9	
DEPTH=	12.2	11.4	11.4	6.1	1.3	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 260.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

260.00	15.50	309.50	305.03	.00	310.32	.82	1.59	.20	300.00
38000.	534.	9185.	28282.	220.	2197.	3513.	2919.	238.	300.00
.84	2.43	4.18	8.05	.140	.140	.055	.000	294.00	2326.64
.005119	1035.	1025.	1020.	2	14	0	.00	678.31	3004.95

FLOW DISTRIBUTION FOR SECNO= 260.00 CWSEL= 309.50

STA=	2327.	2375.	2545.	2601.	2635.	2685.	2743.	2775.	2796.	2809.	2825.	2856.	2906.
PER Q=	1.4	24.2	10.2	4.9	7.3	8.5	5.7	5.4	4.1	4.7	9.2	9.6	
AREA=	219.9	2197.1	479.5	253.6	374.4	437.4	268.7	221.6	156.4	182.9	355.4	440.6	
VEL=	2.4	4.2	8.0	7.4	7.4	7.4	8.0	9.2	9.9	9.9	9.9	8.3	
DEPTH=	4.5	13.0	8.5	7.5	7.5	7.5	8.5	10.5	11.5	11.5	11.5	8.9	

STA=	2906.	2962.	3005.
PER Q=	4.4	.4	
AREA=	286.9	55.7	
VEL=	5.8	2.8	
DEPTH=	5.1	1.3	

1490 NH CARD USED
*SECNO 270.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

270.00	14.91	312.91	306.51	.00	313.42	.51	3.07	.03	300.00
37000.	3461.	6446.	27093.	1624.	2273.	4177.	3072.	258.	304.00
.88	2.13	2.84	6.49	.105	.140	.055	.000	298.00	2043.92
.002238	985.	965.	930.	2	11	0	.00	1073.30	3117.22

FLOW DISTRIBUTION FOR SECNO= 270.00 CWSEL= 312.91

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

STA=	2044.	2394.	2510.	2679.	2721.	2802.	2883.	2900.	2961.	2995.	3117.
PER Q=	4.1	5.3	17.4	5.6	16.4	19.9	4.2	18.7	5.6	2.9	
AREA=	713.0	910.7	2273.2	374.0	933.5	1045.4	219.4	901.8	344.7	357.9	
VEL=	2.1	2.1	2.8	5.5	6.5	7.0	7.0	7.7	6.0	2.9	
DEPTH=	2.0	7.9	13.4	8.9	11.5	12.9	12.9	14.8	10.3	2.9	

1490 NH CARD USED
*SECNO 280.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

280.00	14.65	314.65	307.87	.00	314.79	.14	1.34	.04	306.00
37000.	4252.	2248.	30499.	3375.	1330.	9439.	3336.	289.	306.00
.98	1.26	1.69	3.23	.131	.140	.063	.000	300.00	496.37
.000845	1045.	1040.	1030.	3	11	0	.00	1526.23	2022.59

FLOW DISTRIBUTION FOR SECNO= 280.00 CWSEL= 314.65

STA=	496.	950.	958.	1060.	1242.	1340.	1370.	1408.	1502.	1570.	1635.	1690.	1800.
PER Q=	11.2	.2	6.1	5.5	7.2	3.8	4.0	8.4	7.4	6.0	4.6	14.0	
AREA=	3305.9	69.2	1329.6	1574.9	996.0	349.6	396.8	883.4	724.4	627.5	500.9	1281.9	
VEL=	1.3	1.3	1.7	1.3	2.7	4.0	3.8	3.5	3.8	3.6	3.4	4.0	
DEPTH=	7.3	8.7	13.0	8.7	10.2	11.7	10.4	9.4	10.7	9.7	9.1	11.7	

STA=	1800.	1830.	1850.	1933.	1995.	2023.
PER Q=	5.0	3.7	8.3	3.9	.5	
AREA=	409.6	293.1	835.2	474.5	90.9	
VEL=	4.5	4.7	3.7	3.0	2.1	
DEPTH=	13.7	14.7	10.1	7.7	3.3	

*SECNO 285.000

285.00	13.19	315.19	310.14	.00	315.32	.14	.53	.00	306.00
37000.	2835.	1494.	32671.	1328.	1015.	10578.	3546.	314.	310.00
1.05	2.13	1.47	3.09	.060	.140	.055	.000	302.00	404.11
.000733	665.	670.	680.	2	30	0	.00	1709.02	2113.13

FLOW DISTRIBUTION FOR SECNO= 285.00 CWSEL= 315.19

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

STA=	404.	707.	792.	910.	1063.	1232.	1288.	1337.	1513.	1601.	1786.	1842.	1982.
PER Q=	7.7	4.0	8.8	14.5	13.5	4.5	3.2	5.9	4.7	11.9	5.7	13.3	
AREA=	1327.7	1015.2	1022.3	1558.6	1555.3	517.2	402.0	942.3	634.6	1494.4	597.6	1432.3	
VEL=	2.1	1.5	3.2	3.4	3.2	3.2	3.0	2.3	2.7	3.0	3.5	3.4	
DEPTH=	4.4	11.9	8.7	10.2	9.2	9.2	8.2	5.4	7.2	8.1	10.6	10.2	

STA=	1982.	2113.
PER Q=	2.3	
AREA=	421.5	
VEL=	2.0	
DEPTH=	3.2	

*SECNO 290.000

3265 DIVIDED FLOW

290.00	13.74	315.74	311.14	.00	315.91	.17	.57	.01	308.00
37000.	5645.	2056.	29299.	1532.	1176.	8933.	3728.	339.	310.00
1.10	3.69	1.75	3.28	.040	.140	.055	.000	302.00	2326.69
.001093	645.	645.	645.	2	18	0	.00	1774.24	4154.67

FLOW DISTRIBUTION FOR SECNO= 290.00 CWSEL= 315.74

STA=	2327.	2478.	2655.	2759.	2834.	2932.	3041.	3091.	3243.	3411.	3446.	3646.	3701.
PER Q=	3.5	11.8	5.6	4.4	6.2	5.8	3.7	10.2	4.4	3.1	17.9	3.2	
AREA=	470.5	1061.1	1176.2	506.0	691.6	695.8	390.8	1116.0	569.9	307.6	1744.1	367.9	
VEL=	2.7	4.1	1.7	3.2	3.3	3.1	3.5	3.4	2.9	3.8	3.8	3.2	
DEPTH=	3.1	6.0	11.3	6.7	7.0	6.4	7.7	7.3	3.4	8.7	8.7	6.7	

STA=	3701.	4078.	4155.
PER Q=	18.5	1.9	
AREA=	2254.3	289.3	
VEL=	3.0	2.4	
DEPTH=	6.0	3.8	

1490 NH CARD USED
*SECNO 300.000

3265 DIVIDED FLOW

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=		2340.0	4140.0	TYPE=	1	TARGET=	1800.000		
300.00	10.68	316.68	314.07	.00	316.97	.29	1.03	.04	312.00
37000.	2018.	2638.	32344.	523.	1326.	7170.	3886.	365.	314.00
1.14	3.86	1.99	4.51	.040	.140	.055	.000	306.00	2340.00
.002331	655.	660.	670.	2	24	0	.00	1605.71	4014.77

FLOW DISTRIBUTION FOR SECNO= 300.00 CWSEL= 316.68

STA=	2340.	2536.	2709.	2823.	2917.	2990.	3029.	3091.	3151.	3255.	3416.	3635.	3737.
PER Q=	5.5	7.1	5.3	12.1	9.4	5.2	7.9	6.5	6.6	7.4	3.4	4.7	
AREA=	523.1	1326.0	532.9	814.0	628.3	346.3	532.0	470.4	588.3	752.7	436.5	477.6	
VEL=	3.9	2.0	3.7	5.5	5.5	5.5	5.5	5.1	4.2	3.6	2.9	3.6	
DEPTH=	2.7	7.7	4.7	8.7	8.7	8.7	8.7	7.8	5.7	4.7	2.0	4.7	

STA=	3737.	3852.	3967.	4007.	4015.
PER Q=	5.3	10.5	3.1	.0	
AREA=	541.7	787.8	253.3	8.2	
VEL=	3.6	4.9	4.5	1.5	
DEPTH=	4.7	6.9	6.3	1.0	

*SECNO 310.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=		2460.0	4230.0	TYPE=	1	TARGET=	1770.000		
CONFLUENCE WITH SYCAMORE CREEK									
310.00	9.75	317.75	316.17	.00	317.94	.19	.96	.01	314.00
37000.	923.	958.	35119.	422.	781.	9900.	4025.	388.	316.00
1.19	2.19	1.23	3.55	.040	.140	.055	.000	308.00	2470.35
.001163	620.	610.	600.	2	22	0	.00	1743.70	4214.04

FLOW DISTRIBUTION FOR SECNO= 310.00 CWSEL= 317.75

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

STA=	2470.	2698.	2822.	2944.	3016.	3085.	3160.	3297.	3422.	3550.	3687.	4070.	4130.
PER Q=	2.5	2.6	6.0	5.4	4.4	3.5	6.3	6.9	6.4	4.6	41.7	5.6	
AREA=	422.3	780.9	711.4	556.8	482.6	431.6	788.4	800.2	772.5	657.3	3696.0	525.3	
VEL=	2.2	1.2	3.1	3.6	3.4	3.0	3.0	3.2	3.1	2.6	4.2	3.9	
DEPTH=	1.9	6.3	5.8	7.8	7.0	5.8	5.8	6.4	6.1	4.8	9.6	8.8	

STA=	4130.	4191.	4214.
PER Q=	3.7	.4	
AREA=	413.4	64.5	
VEL=	3.3	2.1	
DEPTH=	6.8	2.8	

*SECNO 320.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 950.0 2300.0 TYPE= 1 TARGET= 1350.000
CONFLUENCE WITH FORRESTER CREEK

320.00	9.50	319.50	317.26	.00	320.03	.53	1.98	.10	316.00
37000.	415.	9872.	26713.	78.	2592.	4160.	4193.	417.	312.00
1.23	5.29	3.81	6.42	.040	.140	.055	.000	310.00	950.00
.007642	665.	750.	840.	2	14	0	.00	1322.48	2272.48

FLOW DISTRIBUTION FOR SECNO= 320.00 CWSEL= 319.50

STA=	950.	968.	989.	1300.	1478.	1513.	1670.	1786.	1961.	2203.	2221.	2265.	2272.
PER Q=	.3	.8	26.7	19.5	2.7	17.2	9.1	9.0	12.5	.9	1.3	.0	
AREA=	27.5	51.0	2591.5	978.6	155.7	863.6	522.5	612.3	849.0	61.3	111.8	5.5	
VEL=	4.0	6.0	3.8	7.4	6.4	7.4	6.4	5.4	5.4	5.4	4.3	1.9	
DEPTH=	1.5	2.5	8.3	5.5	4.5	5.5	4.5	3.5	3.5	3.5	2.5	.8	

*SECNO 330.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 1280.0 2300.0 TYPE= 1 TARGET= 1020.000

330.00	10.64	322.64	317.81	.00	322.98	.33	2.93	.02	314.00
36000.	17452.	6632.	11916.	3552.	1654.	2640.	4322.	437.	314.00
1.28	4.91	4.01	4.51	.060	.085	.060	.000	312.00	1330.08
.002288	870.	780.	700.	2	14	0	.00	949.66	2279.74

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 330.00 CWSEL= 322.64

STA=	1330.	1393.	1760.	1917.	2113.	2240.	2280.
PER Q=	4.5	43.9	18.4	19.1	12.3	1.7	
AREA=	380.8	3171.4	1653.7	1496.0	966.7	177.5	
VEL=	4.3	5.0	4.0	4.6	4.6	3.5	
DEPTH=	6.1	8.6	10.5	7.6	7.6	4.4	

*SECNO 340.000

3470 ENCROACHMENT STATIONS=	1200.0	2180.0	TYPE=	1	TARGET=	980.000	
340.00	13.83	323.83	318.38	.00	324.12	.28	1.14	.01	320.00
36000.	5787.	16946.	13267.	1327.	4427.	2814.	4418.	448.	318.00
1.31	4.36	3.83	4.71	.060	.085	.060	.000	310.00	1221.71
.002171	520.	505.	505.	2	19	0	.00	958.29	2180.00

FLOW DISTRIBUTION FOR SECNO= 340.00 CWSEL= 323.83

STA=	1222.	1226.	1233.	1245.	1250.	1391.	1399.	1410.	1843.	1891.	1904.	1909.	2180.
PER Q=	.0	.1	.5	.4	13.9	.6	.5	47.1	2.9	1.0	.7	32.3	
AREA=	3.9	19.8	57.9	34.1	1103.5	54.6	53.1	4427.1	276.7	87.4	51.2	2398.9	
VEL=	1.0	2.2	3.3	4.0	4.5	4.1	3.3	3.8	3.7	4.1	4.7	4.8	
DEPTH=	.9	2.8	4.8	6.8	7.8	6.8	4.8	10.2	5.8	6.8	8.8	8.9	

*SECNO 345.000

3470 ENCROACHMENT STATIONS=	1210.0	2270.0	TYPE=	1	TARGET=	1060.000	
345.00	12.53	324.53	320.58	.00	324.88	.35	.74	.02	322.00
36000.	9001.	20016.	6984.	1783.	4522.	1374.	4470.	454.	324.00
1.33	5.05	4.43	5.08	.060	.085	.060	.000	312.00	1210.00
.003291	320.	280.	250.	2	14	0	.00	1060.00	2270.00

FLOW DISTRIBUTION FOR SECNO= 345.00 CWSEL= 324.53

STA=	1210.	1312.	1445.	1490.	1510.	1996.	2266.	2270.
PER Q=	3.2	17.9	3.4	.5	55.6	19.2	.2	
AREA=	357.6	1104.4	263.4	57.3	4522.5	1348.4	25.5	
VEL=	3.3	5.8	4.6	2.9	4.4	5.1	2.6	
DEPTH=	3.5	8.3	5.8	2.9	9.3	5.0	6.2	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= .300 CEHV= .500
*SECNO 355.000

3470 ENCROACHMENT STATIONS= 1370.0 2370.0 TYPE= 1 TARGET= 1000.000

355.00	11.62	325.62	322.03	.00	326.04	.42	1.13	.04	322.00
36000.	7691.	24308.	4000.	1588.	4646.	703.	4518.	461.	322.00
1.34	4.84	5.23	5.69	.060	.085	.060	.000	314.00	1370.00
.004886	275.	285.	295.	2	20	0	.00	1000.00	2370.00

FLOW DISTRIBUTION FOR SECNO= 355.00 CWSEL= 325.62

STA=	1370.	1492.	1531.	1695.	1702.	1731.	2254.	2287.	2303.	2306.	2370.
PER Q=	3.3	2.4	14.0	.4	1.2	67.5	1.4	1.0	.3	8.5	
AREA=	344.9	179.7	924.0	34.2	105.0	4645.7	119.5	72.5	19.9	491.5	
VEL=	3.4	4.8	5.5	4.7	4.1	5.2	4.1	4.8	5.4	6.2	
DEPTH=	2.8	4.6	5.6	4.6	3.6	8.9	3.6	4.6	6.6	7.6	

*SECNO 356.000

3470 ENCROACHMENT STATIONS= 1340.0 2290.0 TYPE= 1 TARGET= 950.000

356.00	11.08	327.08	323.83	.00	327.84	.76	1.63	.17	316.00
36000.	6303.	29018.	679.	1247.	3934.	100.	4553.	467.	320.00
1.35	5.06	7.38	6.80	.060	.085	.060	.000	316.00	1340.00
.009099	250.	250.	250.	2	15	0	.00	941.47	2281.47

FLOW DISTRIBUTION FOR SECNO= 356.00 CWSEL= 327.08

STA=	1340.	1497.	1678.	1822.	1836.	2258.	2281.
PER Q=	6.6	4.0	3.4	3.5	80.6	1.9	
AREA=	482.3	377.5	262.8	124.1	3933.8	99.8	
VEL=	4.9	3.8	4.7	10.1	7.4	6.8	
DEPTH=	3.1	2.1	1.8	9.1	9.3	4.3	

SPECIAL BRIDGE

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

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	.90	1.60	2.75	.00	450.00	77.00	3112.00	2.00	318.00	318.00

*SECNO 358.000
BTCARD BRIDGE STENCL= 1340.00 STENCR= 2300.00
6870 D.S. ENERGY OF 327.84 IS HIGHER THAN COMPUTED ENERGY OF 327.20

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
327.20	327.19	.01	29103.	6868.	3112.	3112.	326.00	324.00	350.

3470 ENCROACHMENT STATIONS= 1340.0 2300.0 TYPE= 1 TARGET= 960.000
CARLTON HILLS BLVD BRIDGE (SPECIAL BRIDGE ROUTINE)

358.00	10.84	326.84	.00	321.22	327.84	1.00	.00	.00	316.00
36000.	3922.	32077.	1.	1267.	3797.	1.	4561.	468.	326.00
1.36	3.09	8.45	1.43	.060	.040	.030	.000	316.00	1340.00
.002838	65.	65.	65.	2	0	7	.00	940.80	2280.80

FLOW DISTRIBUTION FOR SECNO= 358.00 CWSEL= 326.84

STA=	1340.	1497.	1678.	1788.	1795.	1813.	1822.	1829.	1850.	2278.	2281.
PER Q=	3.2	1.8	.3	.1	.6	.6	.8	3.4	89.1	.0	
AREA=	445.3	334.7	91.9	13.1	71.8	52.0	54.9	203.7	3796.9	1.0	
VEL=	2.6	2.0	1.2	1.9	3.2	4.2	5.1	6.0	8.4	1.4	
DEPTH=	2.8	1.8	.8	1.8	3.8	5.8	7.8	9.8	8.9	.4	

*SECNO 360.000

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 1530.0 2600.0 TYPE= 1 TARGET= 1070.000

360.00	12.48	328.48	322.42	321.72	328.75	.27	.69	.22	320.00
36000.	28113.	6466.	1420.	6317.	2013.	749.	4616.	476.	320.00
1.38	4.45	3.21	1.90	.060	.085	.085	.000	316.00	1530.00
.001512	335.	345.	355.	2	14	0	.00	1070.00	2600.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 360.00 CWSEL= 328.48

STA=	1530.	1879.	1920.	2012.	2113.	2187.	2383.	2600.
PER Q=	35.9	5.5	16.2	13.5	7.0	18.0	3.9	
AREA=	3067.1	429.6	1134.7	1056.2	629.0	2013.5	748.5	
VEL=	4.2	4.6	5.1	4.6	4.0	3.2	1.9	
DEPTH=	8.8	10.5	12.3	10.5	8.5	10.3	3.4	

CCHV= .100 CEHV= .300
*SECNO 370.000

3470 ENCROACHMENT STATIONS= 1470.0 2820.0 TYPE= 1 TARGET= 1350.000

370.00	11.03	329.03	323.34	322.15	329.21	.18	.46	.01	320.00
36000.	26809.	2886.	6305.	7153.	996.	3013.	4696.	485.	320.00
1.41	3.75	2.90	2.09	.060	.085	.085	.000	318.00	1470.00
.001160	345.	345.	350.	2	18	0	.00	1338.60	2808.60

FLOW DISTRIBUTION FOR SECNO= 370.00 CWSEL= 329.03

STA=	1470.	1542.	1590.	1630.	1725.	1835.	2155.	2204.	2234.	2326.	2642.	2740.	2809.
PER Q=	4.9	4.4	4.3	12.2	12.0	29.3	4.5	2.8	8.0	13.6	3.2	.7	
AREA=	563.5	436.1	399.1	1047.7	1103.1	2885.5	443.3	274.5	995.6	2232.4	590.8	189.7	
VEL=	3.1	3.7	3.9	4.2	3.9	3.7	3.7	3.7	2.9	2.2	2.0	1.3	
DEPTH=	7.8	9.0	10.0	11.0	10.0	9.0	9.0	9.0	10.8	7.1	6.0	2.8	

*SECNO 380.000

3470 ENCROACHMENT STATIONS= 1540.0 2960.0 TYPE= 1 TARGET= 1420.000

380.00	11.42	329.42	324.11	322.77	329.61	.19	.39	.00	320.00
36000.	25572.	1930.	8498.	6741.	617.	3635.	4778.	496.	320.00
1.43	3.79	3.13	2.34	.060	.085	.085	.000	318.00	1540.00
.001303	320.	320.	320.	2	11	0	.00	1420.00	2960.00

FLOW DISTRIBUTION FOR SECNO= 380.00 CWSEL= 329.42

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

STA=	1540.	1758.	1793.	1860.	1931.	1968.	2064.	2199.	2262.	2381.	2436.	2585.	2817.
PER Q=	17.3	4.8	7.2	7.5	3.8	8.3	3.1	6.7	12.4	5.4	7.6	11.5	
AREA=	1715.3	387.4	642.6	673.5	342.9	810.0	450.6	601.0	1117.2	617.4	1124.0	1722.9	
VEL=	3.6	4.5	4.0	4.0	4.0	3.7	2.5	4.0	4.0	3.1	2.4	2.4	
DEPTH=	7.9	11.2	9.6	9.4	9.4	8.4	3.3	9.4	9.4	11.1	7.6	7.4	

STA=	2817.	2918.	2960.
PER Q=	3.9	.6	
AREA=	646.5	141.7	
VEL=	2.2	1.6	
DEPTH=	6.4	3.4	

*SECNO 390.000

3470 ENCROACHMENT STATIONS= 1680.0 2740.0 TYPE= 1 TARGET= 1060.000

390.00	12.21	330.21	325.75	324.09	330.53	.32	.88	.04	324.00
36000.	24817.	5296.	5887.	4926.	1425.	2099.	4894.	510.	324.00
1.47	5.04	3.72	2.81	.060	.085	.085	.000	318.00	1680.00
.002312	520.	520.	520.	2	20	0	.00	1060.00	2740.00

FLOW DISTRIBUTION FOR SECNO= 390.00 CWSEL= 330.21

STA=	1680.	1728.	1775.	1781.	1822.	1859.	1862.	1908.	2195.	2220.	2250.	2402.	2740.
PER Q=	4.8	5.2	.8	7.6	7.9	.5	6.2	31.7	2.2	2.1	14.7	16.4	
AREA=	394.0	385.8	55.3	459.6	451.7	33.6	423.6	2355.9	180.2	186.3	1424.7	2098.5	
VEL=	4.4	4.8	5.1	6.0	6.3	5.3	5.2	4.8	4.4	4.0	3.7	2.8	
DEPTH=	8.2	8.2	9.2	11.2	12.2	11.2	9.2	8.2	7.2	6.2	9.4	6.2	

*SECNO 400.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 1749.0 2605.0 TYPE= 1 TARGET= 856.000
DOWNSTREAM END MISSION CREEK DEVELOPMENT

400.00	13.25	331.25	322.75	324.51	331.46	.22	.92	.01	320.00
36000.	3271.	30979.	1750.	780.	8524.	375.	5016.	523.	320.00
1.51	4.19	3.63	4.67	.040	.075	.040	.000	318.00	1749.00
.001097	705.	540.	495.	1	18	0	.00	856.00	2605.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 400.00 CWSEL= 331.25

STA=	1749.	1793.	1870.	1878.	2532.	2557.	2605.
PER Q=	3.7	4.2	1.2	86.1	3.7	1.2	
AREA=	313.9	392.2	73.8	8524.3	241.4	133.8	
VEL=	4.3	3.8	5.7	3.6	5.5	3.1	
DEPTH=	7.2	5.0	10.3	13.0	9.5	2.8	

1490 NH CARD USED
*SECNO 410.000

3470 ENCROACHMENT STATIONS= 2970.0 3720.0 TYPE= 1 TARGET= 750.000

410.00	13.94	331.94	323.09	324.66	332.20	.26	.72	.01	320.00
36000.	1729.	32628.	1643.	415.	7988.	375.	5164.	536.	320.00
1.56	4.16	4.08	4.38	.040	.065	.040	.000	318.00	2970.00
.000968	672.	700.	726.	2	18	0	.00	745.38	3715.38

FLOW DISTRIBUTION FOR SECNO= 410.00 CWSEL= 331.94

STA=	2970.	3065.	3646.	3668.	3715.
PER Q=	4.8	90.6	3.2	1.4	
AREA=	415.3	7988.1	216.8	157.9	
VEL=	4.2	4.1	5.3	3.1	
DEPTH=	4.4	13.8	9.9	3.3	

1490 NH CARD USED
*SECNO 415.000

3470 ENCROACHMENT STATIONS= 3180.0 3945.0 TYPE= 1 TARGET= 765.000

415.00	14.65	332.65	323.10	324.82	332.86	.21	.66	.00	320.00
36000.	1524.	32139.	2338.	382.	8758.	559.	5329.	550.	320.00
1.62	3.99	3.67	4.18	.040	.065	.040	.000	318.00	3180.00
.000744	765.	780.	800.	2	18	0	.00	765.00	3945.00

FLOW DISTRIBUTION FOR SECNO= 415.00 CWSEL= 332.65

STA=	3180.	3245.	3252.	3865.	3895.	3945.
PER Q=	3.0	1.2	89.3	4.5	2.0	
AREA=	295.5	86.2	8757.7	324.0	235.2	
VEL=	3.7	5.1	3.7	4.9	3.1	
DEPTH=	4.6	11.6	14.3	10.8	4.7	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 420.000

3470 ENCROACHMENT STATIONS= 3380.0 4065.0 TYPE= 1 TARGET= 685.000

420.00	15.05	333.05	324.28	324.95	333.36	.31	.47	.03	320.00
36000.	2398.	30350.	3252.	414.	7277.	552.	5428.	558.	320.00
1.65	5.79	4.17	5.89	.040	.075	.040	.000	318.00	3410.72
.001323	480.	480.	480.	1	18	0	.00	654.28	4065.00

FLOW DISTRIBUTION FOR SECNO= 420.00 CWSEL= 333.05

STA=	3411.	3455.	3467.	3989.	4009.	4032.	4065.
PER Q=	3.7	2.9	84.3	4.7	3.3	1.0	
AREA=	263.2	150.7	7276.8	241.0	205.0	105.8	
VEL=	5.1	7.0	4.2	7.1	5.8	3.4	
DEPTH=	6.0	12.1	13.9	12.1	8.9	3.2	

*SECNO 421.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

421.00	9.18	333.18	330.37	325.69	334.57	1.39	.89	.32	325.00
36000.	1644.	34227.	129.	181.	3611.	23.	5480.	562.	328.00
1.66	9.09	9.48	5.52	.040	.050	.040	.000	324.00	2616.04
.005404	375.	375.	375.	2	14	0	.00	441.58	3057.62

FLOW DISTRIBUTION FOR SECNO= 421.00 CWSEL= 333.18

STA=	2616.	2625.	2628.	2640.	2650.	3049.	3053.	3056.	3058.
PER Q=	.2	.2	2.0	2.2	95.1	.3	.1	.0	
AREA=	16.3	13.0	77.9	73.8	3611.1	14.6	7.9	.8	
VEL=	4.3	6.3	9.1	10.6	9.5	6.5	4.2	1.6	
DEPTH=	1.9	4.2	6.2	7.7	9.0	4.2	2.2	.6	

CCHV= .300 CEHV= .500

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 422.000

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 53 MIN ELTRD= 344.00 MAX ELLC= 342.00

CUYAMACA BRIDGE - UPSTREAM END MISSION CREEK DEVELOPMENT
(NORMAL BRIDGE ROUTINE)

422.00	8.76	332.76	331.29	325.92	335.11	2.35	.06	.48	326.00
36000.	972.	34795.	233.	111.	2801.	45.	5481.	562.	326.00
1.66	8.74	12.42	5.16	.040	.030	.040	.000	324.00	2616.63
.006107	10.	10.	10.	2	15	0	-660.82	440.48	3057.12

FLOW DISTRIBUTION FOR SECNO= 422.00 CWSEL= 332.76

STA=	2617.	2628.	2645.	3045.	3049.	3053.	3056.	3057.
PER Q=	.1	2.6	96.7	.3	.2	.1	.0	
AREA=	12.1	99.1	2801.1	25.4	13.2	6.3	.3	
VEL=	4.2	9.3	12.4	4.9	6.4	3.9	1.3	
DEPTH=	1.1	5.8	7.0	5.8	3.8	1.8	.4	

*SECNO 423.000

3370 NORMAL BRIDGE, NRD= 53 MIN ELTRD= 344.00 MAX ELLC= 342.00

423.00	9.68	333.68	331.29	326.98	335.58	1.90	.34	.13	326.00
36000.	1074.	34646.	280.	131.	3096.	57.	5486.	563.	326.00
1.66	8.18	11.19	4.90	.040	.030	.040	.000	324.00	4615.35
.004542	65.	65.	65.	3	15	0	-736.53	442.86	5058.21

FLOW DISTRIBUTION FOR SECNO= 423.00 CWSEL= 333.68

STA=	4615.	4628.	4645.	5045.	5049.	5053.	5056.	5058.
PER Q=	.2	2.8	96.2	.4	.3	.1	.0	
AREA=	16.5	114.8	3096.4	29.4	16.4	9.6	1.7	
VEL=	3.6	8.8	11.2	4.4	6.4	4.4	1.9	
DEPTH=	1.3	6.7	7.7	6.7	4.7	2.7	.8	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 424.000

424.00	7.88	333.88	332.18	327.57	335.68	1.79	.06	.03	326.00
36000.	721.	33946.	1333.	98.	3124.	149.	5486.	563.	326.00
1.66	7.38	10.87	8.95	.050	.050	.050	.000	326.00	4632.27
.008512	10.	10.	10.	2	14	0	.00	450.42	5082.69

FLOW DISTRIBUTION FOR SECNO= 424.00 CWSEL= 333.88

STA=	4632.	4659.	5055.	5076.	5083.
PER Q=	2.0	94.3	3.5	.2	
AREA=	97.6	3124.2	132.2	16.7	
VEL=	7.4	10.9	9.5	5.0	
DEPTH=	3.7	7.9	6.4	2.4	

1490 NH CARD USED
*SECNO 425.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4365.0 5400.0 TYPE= 1 TARGET= 1035.000

425.00	10.57	336.57	332.11	330.21	336.91	.34	.80	.43	328.00
36000.	12475.	12539.	10987.	2587.	3145.	2086.	5517.	567.	328.00
1.67	4.82	3.99	5.27	.045	.075	.045	.000	326.00	4370.03
.001823	285.	225.	215.	3	19	0	.00	1029.97	5400.00

FLOW DISTRIBUTION FOR SECNO= 425.00 CWSEL= 336.57

STA=	4370.	4382.	4456.	4627.	4806.	5113.	5345.	5400.
PER Q=	.1	2.4	11.7	20.5	34.8	26.4	4.1	
AREA=	16.2	266.8	948.1	1356.0	3145.0	1751.0	335.1	
VEL=	1.8	3.3	4.4	5.4	4.0	5.4	4.4	
DEPTH=	1.4	3.6	5.6	7.6	10.2	7.6	6.0	

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

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 430.000

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 4540.0 6000.0 TYPE= 1 TARGET= 1460.000

430.00	11.53	337.53	334.17	331.65	338.20	.67	1.19	.10	328.00
36000.	6533.	12473.	16994.	1547.	2070.	2235.	5592.	579.	328.00
1.69	4.22	6.03	7.60	.045	.075	.045	.000	326.00	4540.00
.003682	495.	470.	465.	3	16	0	.00	1173.91	6000.00

FLOW DISTRIBUTION FOR SECNO= 430.00 CWSEL= 337.53

STA=	4540.	5323.	5505.	5521.	5705.	5850.	6000.
PER Q=	5.0	10.6	2.6	34.6	23.8	23.4	
AREA=	695.0	732.2	120.2	2069.8	1104.7	1130.4	
VEL=	2.6	5.2	7.8	6.0	7.8	7.5	
DEPTH=	.9	4.0	7.8	11.2	7.6	7.5	

1490 NH CARD USED
*SECNO 440.000

3470 ENCROACHMENT STATIONS= 4030.0 5540.0 TYPE= 1 TARGET= 1510.000

440.00	11.55	339.55	336.14	333.17	340.06	.51	1.84	.02	330.00
34000.	19761.	10978.	3261.	3352.	1964.	673.	5665.	594.	330.00
1.72	5.90	5.59	4.84	.045	.075	.045	.000	328.00	4248.70
.003129	535.	545.	550.	2	19	0	.00	1256.17	5504.87

FLOW DISTRIBUTION FOR SECNO= 440.00 CWSEL= 339.55

STA=	4249.	4719.	5052.	5085.	5107.	5119.	5292.	5311.	5369.	5505.
PER Q=	4.2	41.0	7.7	3.5	1.7	32.3	3.3	3.2	3.2	
AREA=	622.5	2160.5	314.4	169.3	85.0	1963.9	152.5	230.1	290.6	
VEL=	2.3	6.4	8.3	7.0	6.8	5.6	7.3	4.7	3.7	
DEPTH=	1.3	6.5	9.6	7.6	7.5	11.3	7.9	4.0	2.1	

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

1490 NH CARD USED
*SECNO 450.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4030.0 5500.0 TYPE= 1 TARGET= 1470.000

450.00	12.18	340.18	333.28	333.41	340.48	.30	.40	.02	330.00
34000.	4670.	29193.	137.	2883.	6236.	119.	5761.	611.	330.00
1.76	1.62	4.68	1.15	.055	.030	.055	.000	328.00	4214.91
.000320	575.	530.	545.	2	14	0	.00	1285.09	5500.00

FLOW DISTRIBUTION FOR SECNO= 450.00 CWSEL= 340.18

STA=	4215.	4641.	4820.	4865.	5378.	5500.
PER Q=	5.8	6.9	1.0	85.9	.4	
AREA=	1354.7	1296.1	232.3	6236.0	119.3	
VEL=	1.5	1.8	1.4	4.7	1.2	
DEPTH=	3.2	7.2	5.2	12.2	1.0	

1490 NH CARD USED
*SECNO 460.000

3470 ENCROACHMENT STATIONS= 4025.0 5600.0 TYPE= 1 TARGET= 1575.000

460.00	12.40	340.40	332.27	333.45	340.60	.20	.11	.01	330.00
34000.	1767.	32067.	166.	1765.	8660.	201.	5864.	625.	330.00
1.79	1.00	3.70	.82	.055	.030	.055	.000	328.00	4154.93
.000197	480.	440.	425.	2	22	0	.00	1395.66	5550.59

FLOW DISTRIBUTION FOR SECNO= 460.00 CWSEL= 340.40

STA=	4155.	4582.	4626.	5331.	5551.
PER Q=	4.3	.9	94.3	.5	
AREA=	1524.9	240.3	8659.9	201.1	
VEL=	1.0	1.2	3.7	.8	
DEPTH=	3.6	5.4	12.3	.9	

1490 NH CARD USED

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 470.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3700.0 5250.0 TYPE= 1 TARGET= 1550.000

470.00	12.49	340.49	336.44	333.43	340.98	.49	.29	.09	330.00
34000.	24053.	9528.	419.	4280.	1699.	89.	5977.	645.	330.00
1.82	5.62	5.61	4.69	.045	.070	.045	.000	328.00	3713.88
.002598	790.	480.	430.	2	15	0	.00	1312.80	5163.76

FLOW DISTRIBUTION FOR SECNO= 470.00 CWSEL= 340.49

STA=	3714.	4279.	4346.	4372.	4424.	4618.	4698.	4837.	4914.	5002.	5146.	5164.
PER Q=	4.6	9.6	4.7	12.3	3.0	8.2	4.0	5.9	18.5	28.0	1.2	
AREA=	731.6	494.7	227.5	525.3	208.3	489.6	394.3	375.0	834.1	1698.7	89.3	
VEL=	2.1	6.6	7.0	7.9	4.9	5.7	3.5	5.3	7.5	5.6	4.7	
DEPTH=	1.3	7.5	8.5	10.3	1.1	6.1	2.8	4.9	9.5	11.8	5.0	

1490 NH CARD USED
*SECNO 480.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2870.0 4200.0 TYPE= 1 TARGET= 1330.000

480.00	10.18	340.18	339.28	334.48	343.59	3.40	1.73	.87	340.00
34000.	0.	34000.	0.	0.	2297.	0.	6005.	651.	340.00
1.83	.05	14.80	.05	.045	.070	.045	.000	330.00	3872.13
.026096	305.	280.	280.	3	14	0	.00	253.48	4125.61

FLOW DISTRIBUTION FOR SECNO= 480.00 CWSEL= 340.18

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

STA= 3872. 4125.
PER Q= 100.0
AREA= 2297.3
VEL= 14.8
DEPTH= 9.1

1490 NH CARD USED
*SECNO 483.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2900.0 4240.0 TYPE= 1 TARGET= 1340.000

483.00	13.81	343.81	339.97	335.05	345.05	1.24	1.25	.22	340.00
34000.	4247.	28574.	1179.	1022.	2991.	229.	6013.	652.	340.00
1.83	4.16	9.55	5.14	.045	.070	.045	.000	330.00	2900.00
.007258	100.	100.	105.	4	5	0	.00	939.37	4211.31

FLOW DISTRIBUTION FOR SECNO= 483.00 CWSEL= 343.81

STA=	2900.	3360.	3855.	4098.	4172.	4211.
PER Q=	10.2	2.3	84.0	3.2	.3	
AREA=	830.9	190.7	2990.8	193.5	35.7	
VEL=	4.2	4.1	9.6	5.6	2.6	
DEPTH=	1.8	.4	12.3	2.6	.9	

*SECNO 484.000

3470 ENCROACHMENT STATIONS= 2920.0 4190.0 TYPE= 1 TARGET= 1270.000

484.00	15.16	345.16	344.27	335.52	345.96	.81	.87	.04	342.00
34000.	12070.	19868.	2062.	2153.	2440.	360.	6025.	655.	342.00
1.83	5.60	8.14	5.72	.045	.070	.045	.000	330.00	2920.00
.007792	110.	115.	160.	3	9	0	.00	1270.00	4190.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 484.00 CWSEL= 345.16

STA=	2920.	2965.	3370.	3473.	3651.	3795.	4061.	4190.
PER Q=	2.3	23.6	3.2	2.0	4.5	58.4	6.1	
AREA=	135.9	1277.2	221.9	206.6	311.8	2439.7	360.4	
VEL=	5.8	6.3	4.9	3.2	4.9	8.1	5.7	
DEPTH=	3.0	3.2	2.2	1.2	2.2	9.2	2.8	

*SECNO 485.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 2920.0 4180.0 TYPE= 1 TARGET= 1260.000
CHUBB LANE CROSSING

485.00	4.96	344.96	344.96	342.38	346.38	1.42	.13	.18	342.00
34000.	18996.	11936.	3068.	1982.	1262.	312.	6026.	655.	342.00
1.83	9.59	9.46	9.82	.045	.070	.045	.000	340.00	2920.00
.024949	10.	10.	10.	0	14	0	.00	1260.00	4180.00

FLOW DISTRIBUTION FOR SECNO= 485.00 CWSEL= 344.96

STA=	2920.	2965.	3370.	3473.	3651.	3795.	4061.	4180.
PER Q=	3.7	37.9	4.9	2.6	6.8	35.1	9.0	
AREA=	127.0	1197.8	201.8	171.7	283.4	1261.9	312.4	
VEL=	10.0	10.8	8.2	5.1	8.2	9.5	9.8	
DEPTH=	2.8	3.0	2.0	1.0	2.0	4.7	2.6	

*SECNO 486.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2920.0 4180.0 TYPE= 1 TARGET= 1260.000

486.00	16.04	346.04	344.26	342.85	346.56	.52	.09	.09	342.00
34000.	14543.	17215.	2242.	2921.	2673.	440.	6027.	656.	342.00
1.83	4.98	6.44	5.10	.045	.070	.045	.000	330.00	2920.00
.004313	10.	10.	10.	3	26	0	.00	1260.00	4180.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 486.00 CWSEL= 346.04

STA=	2920.	2965.	3370.	3473.	3651.	3795.	4061.	4180.
PER Q=	2.6	26.4	4.2	3.7	5.9	50.6	6.6	
AREA=	175.8	1631.9	312.1	363.1	438.4	2673.3	439.7	
VEL=	5.1	5.5	4.5	3.5	4.5	6.4	5.1	
DEPTH=	3.9	4.0	3.0	2.0	3.0	10.0	3.7	

1490 NH CARD USED
*SECNO 490.000

3470 ENCROACHMENT STATIONS= 3030.0 4120.0 TYPE= 1 TARGET= 1090.000

490.00	16.63	346.63	344.22	342.93	347.12	.48	.56	.00	336.00
34000.	20712.	10502.	2786.	3818.	1643.	1009.	6052.	660.	336.00
1.84	5.43	6.39	2.76	.040	.070	.075	.000	330.00	3030.00
.002438	175.	175.	175.	3	13	0	.00	1090.00	4120.00

FLOW DISTRIBUTION FOR SECNO= 490.00 CWSEL= 346.63

STA=	3030.	3464.	3544.	3616.	3687.	3749.	3774.	3798.	3905.	4001.	4120.
PER Q=	29.9	5.6	5.0	4.9	7.3	3.2	5.0	30.9	4.4	3.8	
AREA=	2008.2	371.7	333.7	327.2	393.7	169.2	213.8	1642.6	498.1	510.5	
VEL=	5.1	5.1	5.1	5.1	6.3	6.5	7.9	6.4	3.0	2.5	
DEPTH=	4.6	4.6	4.6	4.6	6.4	6.6	9.1	15.3	5.2	4.3	

1490 NH CARD USED
*SECNO 500.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3280.0 4190.0 TYPE= 1 TARGET= 910.000

500.00	17.25	347.25	339.32	343.01	347.54	.29	.40	.02	334.00
33000.	6847.	18676.	7478.	2322.	3956.	1736.	6136.	672.	334.00
1.88	2.95	4.72	4.31	.030	.040	.030	.000	330.00	3280.00
.000383	495.	510.	525.	2	11	0	.00	910.00	4190.00

FLOW DISTRIBUTION FOR SECNO= 500.00 CWSEL= 347.25

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

STA=	3280.	3696.	3742.	3767.	4005.	4024.	4113.	4140.	4175.	4190.
PER Q=	12.8	3.7	4.3	56.6	3.0	8.9	3.2	5.9	1.7	
AREA=	1700.2	335.0	286.3	3956.4	205.8	737.7	249.4	398.3	145.0	
VEL=	2.5	3.6	4.9	4.7	4.8	4.0	4.3	4.9	3.8	
DEPTH=	4.1	7.3	11.5	16.6	11.4	8.3	9.2	11.3	9.9	

1490 NH CARD USED
*SECNO 507.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

507.00	13.29	347.29	341.36	343.02	347.95	.66	.30	.11	342.00
33000.	75.	32148.	777.	28.	4897.	209.	6208.	680.	342.00
1.90	2.72	6.57	3.71	.040	.040	.040	.000	334.00	3849.40
.001221	510.	470.	450.	2	14	0	.00	487.36	4336.76

FLOW DISTRIBUTION FOR SECNO= 507.00 CWSEL= 347.29

STA=	3849.	3861.	4290.	4337.
PER Q=	.2	97.4	2.4	
AREA=	27.8	4896.6	209.1	
VEL=	2.7	6.6	3.7	
DEPTH=	2.5	11.4	4.4	

CCHV= .300 CEHV= .500
*SECNO 508.000

3370 NORMAL BRIDGE, NRD= 49 MIN ELTRD= 352.00 MAX ELLC= 352.00

MAGNOLIA AVE BRIDGE (NORMAL BRIDGE ROUTINE)

508.00	13.15	347.15	342.28	343.02	348.12	.97	.02	.16	342.00
33000.	98.	32125.	776.	26.	4019.	166.	6209.	680.	342.00
1.90	3.75	7.99	4.67	.040	.030	.040	.000	334.00	3849.86
.002389	10.	10.	10.	2	9	0	-851.92	486.38	4336.24

FLOW DISTRIBUTION FOR SECNO= 508.00 CWSEL= 347.15

STA=	3850.	3856.	3861.	4290.	4304.	4322.	4332.	4336.
PER Q=	.1	.2	97.3	.5	1.5	.3	.0	
AREA=	8.0	18.3	4019.1	39.1	94.2	30.6	2.4	
VEL=	2.2	4.4	8.0	3.8	5.4	3.7	1.2	
DEPTH=	1.2	4.1	9.4	2.7	5.1	3.1	.6	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 509.000

3370 NORMAL BRIDGE, NRD= 49 MIN ELTRD= 352.00 MAX ELLC= 352.00

509.00	13.35	347.35	342.34	343.02	348.29	.94	.15	.01	336.00
33000.	1163.	31710.	127.	224.	4033.	36.	6215.	680.	342.00
1.90	5.20	7.86	3.55	.040	.030	.040	.000	334.00	3849.22
.002280	65.	65.	65.	2	12	0	-868.41	487.74	4336.95

FLOW DISTRIBUTION FOR SECNO= 509.00 CWSEL= 347.35

STA=	3849.	3854.	3856.	3861.	3866.	3870.	3889.	4322.	4332.	4337.
PER Q=	.0	.1	.3	.5	.3	2.4	96.1	.4	.0	
AREA=	3.0	6.3	19.1	31.1	30.6	133.5	4032.5	32.5	3.3	
VEL=	1.3	2.7	4.4	5.8	3.2	5.8	7.9	3.8	1.3	
DEPTH=	.7	2.3	4.3	6.3	7.8	6.7	9.3	3.3	.7	

1490 NH CARD USED
*SECNO 510.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3864.0 4358.0 TYPE= 1 TARGET= 494.000

510.00	15.81	347.81	341.33	343.04	348.40	.59	.01	.10	342.00
33000.	185.	32472.	343.	63.	5216.	112.	6216.	681.	341.00
1.90	2.95	6.23	3.06	.040	.040	.040	.000	332.00	3865.09
.001023	10.	10.	10.	2	19	0	.00	490.81	4355.90

FLOW DISTRIBUTION FOR SECNO= 510.00 CWSEL= 347.81

STA=	3865.	3885.	4317.	4356.
PER Q=	.6	98.4	1.0	
AREA=	62.7	5216.1	111.9	
VEL=	3.0	6.2	3.1	
DEPTH=	3.1	12.1	2.9	

CCHV= .100 CEHV= .300

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 515.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3640.0 4470.0 TYPE= 1 TARGET= 830.000

515.00	16.42	348.42	337.03	343.06	348.53	.11	.08	.05	334.00
33000.	8887.	23512.	601.	3715.	8391.	270.	6272.	685.	334.00
1.93	2.39	2.80	2.23	.040	.040	.040	.000	332.00	3640.00
.000137	250.	275.	350.	2	17	0	.00	830.00	4470.00

FLOW DISTRIBUTION FOR SECNO= 515.00 CWSEL= 348.42

STA=	3640.	3935.	4448.	4470.
PER Q=	26.9	71.2	1.8	
AREA=	3715.3	8391.4	269.9	
VEL=	2.4	2.8	2.2	
DEPTH=	12.6	16.4	12.2	

1490 NH CARD USED
*SECNO 520.000

3470 ENCROACHMENT STATIONS= 4240.0 5000.0 TYPE= 1 TARGET= 760.000

520.00	16.44	348.44	337.78	343.06	348.64	.20	.08	.03	334.00
33000.	2493.	29358.	1149.	1025.	7941.	612.	6411.	694.	334.00
1.97	2.43	3.70	1.88	.040	.031	.040	.000	332.00	4240.00
.000152	515.	560.	590.	2	22	0	.00	697.36	4937.36

FLOW DISTRIBUTION FOR SECNO= 520.00 CWSEL= 348.44

STA=	4240.	4348.	4855.	4920.	4937.
PER Q=	7.6	89.0	3.3	.2	
AREA=	1025.2	7940.9	556.4	55.5	
VEL=	2.4	3.7	1.9	1.2	
DEPTH=	9.5	15.6	8.6	3.2	

1490 NH CARD USED

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 530.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4050.0 4691.0 TYPE= 1 TARGET= 641.000

530.00	14.42	348.42	340.61	343.06	348.85	.43	.14	.07	334.00
33000.	1398.	26601.	5001.	481.	4701.	1466.	6526.	703.	334.00
2.00	2.90	5.66	3.41	.040	.030	.040	.000	334.00	4094.10
.000372	640.	620.	610.	2	18	0	.00	569.22	4663.32

FLOW DISTRIBUTION FOR SECNO= 530.00 CWSEL= 348.42

STA=	4094.	4183.	4190.	4590.	4648.	4663.
PER Q=	3.1	1.2	9.5	5.3	.3	
AREA=	384.9	96.6	855.7	544.2	66.6	
VEL=	2.6	3.9	3.7	3.2	1.7	
DEPTH=	4.3	13.4	2.1	9.4	4.2	

1490 NH CARD USED
*SECNO 535.000

3470 ENCROACHMENT STATIONS= 2070.0 2600.0 TYPE= 1 TARGET= 530.000

535.00	14.39	348.39	341.37	343.06	349.04	.65	.13	.06	336.00
33000.	476.	28411.	4113.	154.	4179.	1084.	6565.	707.	336.00
2.02	3.10	6.80	3.79	.040	.031	.040	.000	334.00	2089.53
.000560	290.	280.	275.	2	8	0	.00	471.54	2561.07

FLOW DISTRIBUTION FOR SECNO= 535.00 CWSEL= 348.39

STA=	2090.	2120.	2411.	2445.	2479.	2530.	2561.
PER Q=	1.4	86.1	5.2	3.7	3.4	.1	
AREA=	153.7	4179.3	388.5	312.7	350.5	32.2	
VEL=	3.1	6.8	4.4	3.9	3.2	1.4	
DEPTH=	5.1	14.3	11.4	9.4	6.8	1.0	

1490 NH CARD USED
*SECNO 540.000

540.00	14.69	348.69	340.63	343.08	349.22	.53	.17	.01	336.00
33000.	1372.	30075.	1553.	401.	4969.	497.	6610.	710.	336.00
2.03	3.42	6.05	3.12	.040	.030	.040	.000	334.00	2007.70
.000431	365.	350.	335.	2	14	0	.00	461.29	2469.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 540.00 CWSEL= 348.69

STA=	2008.	2056.	2395.	2432.	2469.
PER Q=	4.2	91.1	3.8	.9	
AREA=	400.7	4969.4	357.3	139.6	
VEL=	3.4	6.1	3.5	2.1	
DEPTH=	8.3	14.6	9.7	3.8	

1490 NH CARD USED
*SECNO 550.000

550.00	14.98	348.98	341.72	343.09	349.52	.54	.30	.00	336.00
33000.	4054.	25198.	3747.	1112.	3873.	1259.	6700.	718.	336.00
2.06	3.65	6.51	2.98	.040	.030	.040	.000	334.00	1754.91
.000485	645.	650.	655.	2	11	0	.00	600.30	2355.22

FLOW DISTRIBUTION FOR SECNO= 550.00 CWSEL= 348.98

STA=	1755.	1894.	2153.	2199.	2281.	2355.
PER Q=	12.3	76.4	5.4	3.7	2.3	
AREA=	1111.5	3873.4	467.0	458.4	333.4	
VEL=	3.6	6.5	3.8	2.6	2.3	
DEPTH=	8.0	14.9	10.1	5.6	4.5	

1490 NH CARD USED
*SECNO 560.000

560.00	15.45	349.45	341.20	343.12	349.77	.33	.23	.02	336.00
33000.	1971.	21017.	10012.	766.	3997.	3156.	6798.	727.	336.00
2.10	2.57	5.26	3.17	.050	.031	.040	.000	334.00	1559.51
.000315	605.	600.	595.	2	11	0	.00	660.25	2219.76

FLOW DISTRIBUTION FOR SECNO= 560.00 CWSEL= 349.45

STA=	1560.	1638.	1898.	2061.	2121.	2209.	2220.
PER Q=	6.0	63.7	21.7	4.6	3.9	.2	
AREA=	766.1	3997.4	2025.3	533.1	562.3	34.9	
VEL=	2.6	5.3	3.5	2.8	2.3	1.5	
DEPTH=	9.7	15.4	12.4	8.8	6.4	3.1	

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

1490 NH CARD USED
*SECNO 562.000

562.00	15.60	349.60	341.04	343.13	349.86	.27	.08	.01	336.00
33000.	2589.	15895.	14516.	1070.	3168.	4504.	6852.	732.	336.00
2.12	2.42	5.02	3.22	.050	.031	.040	.000	334.00	1070.07
.000282	280.	280.	285.	2	14	0	.00	730.39	1800.46

FLOW DISTRIBUTION FOR SECNO= 562.00 CWSEL= 349.60

STA=	1070.	1181.	1385.	1453.	1485.	1556.	1601.	1698.	1780.	1800.
PER Q=	7.8	48.2	11.2	5.8	10.4	4.4	8.0	3.9	.3	
AREA=	1070.3	3168.1	994.2	492.9	965.5	479.1	934.9	569.1	68.3	
VEL=	2.4	5.0	3.7	3.9	3.5	3.0	2.8	2.3	1.5	
DEPTH=	9.6	15.6	14.6	15.6	13.6	10.6	9.6	6.9	3.4	

1490 NH CARD USED
*SECNO 564.000

564.00	15.70	349.70	340.80	343.14	349.93	.23	.06	.00	336.00
33000.	3756.	19118.	10126.	1525.	4326.	3329.	6897.	735.	336.00
2.14	2.46	4.42	3.04	.050	.034	.040	.000	334.00	905.83
.000268	220.	220.	220.	2	18	0	.00	750.80	1656.63

FLOW DISTRIBUTION FOR SECNO= 564.00 CWSEL= 349.70

STA=	906.	1053.	1332.	1507.	1540.	1592.	1657.
PER Q=	11.4	57.9	22.2	3.1	3.5	1.8	
AREA=	1524.8	4325.7	2218.4	352.0	454.9	303.9	
VEL=	2.5	4.4	3.3	2.9	2.6	1.9	
DEPTH=	10.4	15.5	12.7	10.7	8.7	4.7	

*SECNO 566.000

566.00	15.52	349.52	341.86	343.14	350.15	.63	.10	.12	338.00
33000.	1543.	29141.	2316.	964.	4342.	1031.	6947.	739.	338.00
2.15	1.60	6.71	2.25	.085	.030	.060	.000	334.00	847.60
.000491	280.	280.	280.	2	8	0	.00	559.78	1407.39

FLOW DISTRIBUTION FOR SECNO= 566.00 CWSEL= 349.52

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

STA=	848.	944.	972.	1258.	1312.	1407.
PER Q=	3.4	1.3	88.3	4.6	2.4	
AREA=	711.3	252.8	4342.1	573.4	457.8	
VEL=	1.6	1.7	6.7	2.6	1.8	
DEPTH=	7.4	8.9	15.2	10.5	4.8	

*SECNO 570.000

3301 HV CHANGED MORE THAN HVINS

570.00	15.31	349.31	343.61	343.14	350.50	1.19	.19	.17	336.00
33000.	1677.	28598.	2724.	830.	3061.	873.	6983.	743.	336.00
2.16	2.02	9.34	3.12	.085	.030	.060	.000	334.00	1523.54
.000945	285.	280.	280.	2	11	0	.00	444.72	1968.26

FLOW DISTRIBUTION FOR SECNO= 570.00 CWSEL= 349.31

STA=	1524.	1627.	1643.	1843.	1868.	1915.	1968.
PER Q=	4.0	1.1	86.7	3.4	3.7	1.2	
AREA=	679.2	151.2	3060.6	288.5	389.8	194.8	
VEL=	1.9	2.4	9.3	3.9	3.1	2.0	
DEPTH=	6.5	9.9	15.3	11.7	8.3	3.6	

*SECNO 572.000

572.00	15.70	349.70	342.60	343.16	350.68	.98	.15	.02	336.00
33000.	1799.	29349.	1852.	754.	3508.	661.	7004.	745.	336.00
2.17	2.39	8.37	2.80	.085	.030	.060	.000	334.00	755.79
.000732	200.	187.	178.	2	11	0	.00	404.57	1160.36

FLOW DISTRIBUTION FOR SECNO= 572.00 CWSEL= 349.70

STA=	756.	832.	1056.	1097.	1160.
PER Q=	5.5	88.9	4.6	1.1	
AREA=	754.0	3507.7	454.7	206.8	
VEL=	2.4	8.4	3.3	1.7	
DEPTH=	9.9	15.7	11.0	3.3	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 574.000									
574.00	16.20	350.20	341.31	343.19	350.82	.62	.11	.04	336.00
33000.	599.	31154.	1247.	364.	4790.	525.	7028.	746.	336.00
2.18	1.65	6.50	2.38	.085	.030	.060	.000	334.00	703.72
.000424	210.	200.	190.	2	14	0	.00	418.68	1122.41

FLOW DISTRIBUTION FOR SECNO= 574.00 CWSEL= 350.20

STA=	704.	748.	1044.	1081.	1122.
PER Q=	1.8	94.4	3.4	.4	
AREA=	363.7	4790.1	430.4	94.3	
VEL=	1.6	6.5	2.6	1.5	
DEPTH=	8.3	16.2	11.5	2.3	

*SECNO 576.000									
576.00	16.13	350.13	342.88	343.18	350.98	.85	.09	.07	338.00
33000.	618.	28473.	3909.	330.	3604.	1324.	7049.	748.	338.00
2.18	1.87	7.90	2.95	.085	.030	.060	.000	334.00	686.76
.000641	190.	170.	165.	2	11	0	.00	409.24	1096.00

FLOW DISTRIBUTION FOR SECNO= 576.00 CWSEL= 350.13

STA=	687.	694.	700.	707.	713.	714.	733.	959.	1049.	1076.	1096.
PER Q=	.0	.1	.1	.2	.0	1.4	86.3	9.4	2.0	.4	
AREA=	7.2	20.0	34.9	43.5	11.0	213.6	3603.7	995.8	244.6	83.5	
VEL=	.5	.9	1.3	1.6	1.2	2.2	7.9	3.1	2.7	1.5	
DEPTH=	1.0	3.1	5.1	7.1	9.1	11.1	16.0	11.1	9.1	4.2	

*SECNO 582.000									
582.00	14.38	350.38	345.01	343.19	351.21	.84	.23	.00	338.00
33000.	1286.	25423.	6291.	739.	3093.	2099.	7091.	752.	338.00
2.19	1.74	8.22	3.00	.085	.030	.060	.000	336.00	580.92
.000795	335.	330.	310.	2	11	0	.00	572.48	1153.40

FLOW DISTRIBUTION FOR SECNO= 582.00 CWSEL= 350.38

STA=	581.	693.	698.	914.	1044.	1107.	1153.
PER Q=	3.5	.4	77.0	11.6	4.6	2.8	
AREA=	679.4	59.2	3092.6	1229.8	526.9	342.3	
VEL=	1.7	2.4	8.2	3.1	2.9	2.7	
DEPTH=	6.1	11.4	14.3	9.5	8.4	7.4	

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

*SECNO 584.000

584.00	14.65	350.65	344.44	343.23	351.37	.72	.15	.01	338.00
33000.	1772.	25150.	6078.	829.	3280.	2122.	7119.	754.	338.00
2.20	2.14	7.67	2.86	.085	.030	.060	.000	336.00	535.83
.000675	210.	200.	190.	2	11	0	.00	563.52	1099.35

FLOW DISTRIBUTION FOR SECNO= 584.00 CWSEL= 350.65

STA=	536.	633.	858.	993.	1067.	1099.
PER Q=	5.4	76.2	13.5	4.3	.6	
AREA=	829.3	3280.3	1435.3	565.9	121.1	
VEL=	2.1	7.7	3.1	2.5	1.6	
DEPTH=	8.6	14.6	10.6	7.6	3.7	

*SECNO 586.000

586.00	14.84	350.84	344.57	343.25	351.51	.67	.14	.00	338.00
33000.	2203.	21879.	8918.	1053.	2803.	2775.	7149.	757.	338.00
2.21	2.09	7.80	3.21	.085	.030	.060	.000	336.00	464.01
.000689	205.	205.	205.	2	11	0	.00	568.40	1032.41

FLOW DISTRIBUTION FOR SECNO= 586.00 CWSEL= 350.84

STA=	464.	583.	773.	930.	1013.	1032.
PER Q=	6.7	66.3	19.0	7.4	.6	
AREA=	1052.6	2803.3	1856.5	818.7	99.6	
VEL=	2.1	7.8	3.4	3.0	2.1	
DEPTH=	8.9	14.8	11.8	9.8	5.1	

*SECNO 592.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 345.0 800.0 TYPE= 1 TARGET= 455.000

592.00	14.70	350.70	346.18	343.28	352.10	1.40	.36	.22	338.00
33000.	1906.	23720.	7374.	635.	2176.	1693.	7198.	761.	338.00
2.22	3.00	10.90	4.36	.085	.030	.060	.000	336.00	370.15
.001417	375.	380.	385.	2	19	0	.00	410.68	780.83

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 592.00 CWSEL= 350.70

STA=	370.	444.	598.	671.	724.	752.	781.
PER Q=	5.8	71.9	10.9	7.8	3.2	.5	
AREA=	634.5	2176.5	791.8	568.1	257.4	75.5	
VEL=	3.0	10.9	4.5	4.5	4.1	2.1	
DEPTH=	8.6	14.2	10.8	10.7	9.4	2.6	

*SECNO 594.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

594.00	11.08	351.08	351.08	342.88	355.39	4.30	1.01	.87	342.00
33000.	3208.	25565.	4227.	177.	1611.	214.	7215.	763.	342.00
2.23	18.16	15.87	19.75	.075	.125	.065	.000	340.00	594.05
.074892	230.	230.	230.	0	15	0	.00	237.35	831.40

FLOW DISTRIBUTION FOR SECNO= 594.00 CWSEL= 351.08

STA=	594.	597.	609.	613.	617.	631.	780.	790.	801.	808.	823.	831.
PER Q=	.0	.7	.6	1.1	7.3	77.5	6.4	3.9	1.5	.9	.1	
AREA=	1.5	26.2	16.3	21.9	110.7	1611.0	84.9	63.3	31.0	30.2	4.6	
VEL=	3.4	8.8	12.9	16.5	21.7	15.9	24.9	20.6	15.6	10.1	4.1	
DEPTH=	.5	2.1	4.1	6.1	8.1	10.8	8.1	6.1	4.1	2.1	.5	

*SECNO 600.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 600.0 1050.0 TYPE= 1 TARGET= 450.000

600.00	16.03	358.03	351.56	347.60	358.99	.96	3.27	.33	346.00
33000.	8333.	23387.	1280.	960.	3121.	142.	7225.	764.	346.00
2.23	8.68	7.49	8.98	.075	.125	.065	.000	342.00	658.13
.010256	145.	150.	155.	4	15	0	.00	340.85	998.97

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 600.00 CWSEL= 358.03

STA=	658.	706.	721.	757.	779.	979.	989.	999.
PER Q=	4.0	3.7	10.4	7.2	70.9	3.3	.6	
AREA=	215.7	138.2	367.0	239.3	3120.7	101.3	41.2	
VEL=	6.1	8.9	9.3	9.9	7.5	10.6	5.0	
DEPTH=	4.5	9.5	10.0	11.0	15.6	10.5	4.0	

*SECNO 610.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 200.0 652.3 TYPE= 1 TARGET= 452.300

610.00	18.64	360.64	349.98	348.97	361.11	.47	2.07	.05	346.00
33000.	2136.	29761.	1102.	402.	5400.	178.	7262.	767.	346.00
2.25	5.32	5.51	6.18	.075	.125	.065	.000	342.00	259.33
.004626	295.	315.	355.	4	8	0	.00	386.69	646.02

FLOW DISTRIBUTION FOR SECNO= 610.00 CWSEL= 360.64

STA=	259.	308.	320.	623.	645.	646.
PER Q=	3.2	3.2	90.2	3.3	.0	
AREA=	251.7	149.9	5399.9	178.0	.3	
VEL=	4.3	7.1	5.5	6.2	.7	
DEPTH=	5.2	12.7	17.8	8.0	.3	

*SECNO 620.000

3470 ENCROACHMENT STATIONS= 250.0 750.0 TYPE= 1 TARGET= 500.000

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 364.00 ELREA= 364.00

620.00	18.65	362.65	352.26	350.07	363.07	.42	1.95	.01	364.00
33000.	0.	33000.	0.	0.	6383.	0.	7318.	770.	364.00
2.27	.00	5.17	.00	.000	.125	.000	.000	344.00	301.57
.005270	395.	395.	395.	2	14	0	.00	428.48	730.04

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 620.00 CWSEL= 362.65

STA=	302.	732.
PER Q=	100.0	
AREA=	6383.1	
VEL=	5.2	
DEPTH=	14.9	

*SECNO 630.000

3470 ENCROACHMENT STATIONS= 300.0 805.0 TYPE= 1 TARGET= 505.000

630.00	19.81	363.81	352.78	351.00	364.26	.44	1.18	.01	348.00
33000.	4241.	26311.	2448.	820.	5077.	352.	7356.	773.	348.00
2.28	5.17	5.18	6.96	.075	.125	.065	.000	344.00	338.28
.003849	235.	265.	295.	2	14	0	.00	414.34	752.63

FLOW DISTRIBUTION FOR SECNO= 630.00 CWSEL= 363.81

STA=	338.	395.	427.	446.	718.	730.	753.
PER Q=	3.6	4.4	4.9	79.7	4.6	2.8	
AREA=	298.9	277.7	243.8	5076.9	180.7	170.9	
VEL=	3.9	5.2	6.6	5.2	8.5	5.4	
DEPTH=	5.3	8.8	12.9	18.6	14.8	7.6	

*SECNO 640.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

FINAL CROSS SECTION - APPROX. 200 FT. DOWNSTREAM RIVERFORD BRIDGE

640.00	19.40	365.40	358.29	352.71	366.87	1.47	2.30	.31	350.00
33000.	2646.	26313.	4041.	270.	2692.	437.	7395.	776.	350.00
2.29	9.82	9.77	9.25	.075	.125	.065	.000	346.00	400.55
.013712	345.	350.	355.	1	14	0	.00	282.79	683.34

FLOW DISTRIBUTION FOR SECNO= 640.00 CWSEL= 365.40

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

STA=	401.	411.	434.	578.	601.	621.	657.	683.
PER Q=	.3	7.7	79.7	9.0	1.9	1.2	.1	
AREA=	27.2	242.4	2692.0	245.6	87.2	85.4	18.9	
VEL=	4.1	10.5	9.8	12.1	7.2	4.8	2.1	
DEPTH=	2.7	10.4	18.7	10.4	4.4	2.4	.7	

THIS RUN EXECUTED 6/24/92 12: 0:53

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HEC2 RELEASE DATED SEPT 88

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

FLOODPLAIN ANALYSIS USIN

SUMMARY PRINTOUT

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
*	100.000	273.62	273.62	3.62	5500.00	.00	5499.99	.00	274.99	3464.57	.00	9.39	.00
*	100.000	277.12	277.12	7.12	19000.00	.00	18999.99	.00	279.99	2665.58	.00	13.60	.00
*	100.000	280.54	280.54	10.54	38000.00	6.85	37992.63	.52	284.91	2333.23	3.72	16.78	3.10
*	110.000	279.78	277.70	5.78	5500.00	.00	5500.00	.00	280.18	554.84	.00	5.05	.00
*	110.000	284.04	281.12	10.04	19000.00	620.32	18267.49	112.19	285.12	597.09	9.11	8.30	6.75
*	110.000	287.98	284.28	13.98	38000.00	2885.27	34430.20	684.53	289.87	592.33	14.76	10.67	10.58
*	120.000	281.60	277.51	7.60	5500.00	17.98	5468.16	13.86	281.80	179.27	2.12	3.65	2.11
*	120.000	286.52	281.27	12.52	19000.00	1038.13	17270.66	691.21	287.16	244.78	7.66	6.35	6.31
*	120.000	290.82	284.61	16.82	38000.00	3809.35	31135.46	3055.20	292.03	263.88	11.48	8.23	10.49
*	130.000	286.49	280.79	10.49	5500.00	115.84	4827.23	556.93	286.60	55.90	3.02	2.52	3.59
*	130.000	292.85	284.03	16.85	19000.00	1702.45	13601.72	3695.83	293.18	66.70	4.79	4.03	6.35
*	130.000	297.99	287.48	21.99	38000.00	5618.61	23527.75	8853.64	298.61	73.16	6.82	5.16	8.47
	140.000	289.02	281.68	13.02	5500.00	72.95	5215.93	211.12	289.10	36.90	2.39	2.26	2.53
	140.000	296.23	285.22	20.23	19000.00	946.19	15918.58	2135.24	296.50	53.29	4.50	3.94	5.65
	140.000	301.91	288.62	25.91	38000.00	3860.61	28377.52	5761.87	302.44	64.21	6.25	5.26	7.90
*	150.000	290.18	282.18	10.18	5500.00	.00	5500.00	.00	290.20	11.33	.01	1.33	.01
*	150.000	297.82	284.74	17.82	19000.00	103.99	16554.13	2341.89	297.90	12.94	1.56	2.16	2.99
*	150.000	303.43	287.08	23.43	38000.00	870.99	22246.43	14882.59	303.62	8.81	1.87	2.16	4.83
*	160.000	292.04	292.04	10.04	5500.00	4572.12	925.53	2.34	292.07	5.24	1.38	1.55	.41
*	160.000	298.34	292.31	16.34	19000.00	16683.61	2230.39	86.00	298.40	3.85	1.93	2.01	.91
*	160.000	303.97	292.21	21.97	38000.00	33311.60	3778.79	909.61	304.05	3.50	2.40	2.42	1.17
	170.000	292.20	292.03	8.20	5500.00	4788.85	591.46	119.69	292.27	6.72	2.19	1.57	.54
	170.000	298.46	292.01	14.46	19000.00	14903.19	1178.45	2918.37	298.50	2.59	1.75	1.56	1.30
*	170.000	304.08	293.21	22.08	38000.00	27340.31	1769.00	8890.70	304.13	1.68	1.87	1.61	1.69

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
	180.000	292.37	290.19	6.37	5500.00	4986.63	510.82	2.55	292.40	1.16	1.56	.52	.42
*	180.000	298.53	292.06	12.53	19000.00	16772.74	2014.79	212.47	298.58	.91	1.83	.84	.68
*	180.000	304.13	292.37	18.13	38000.00	32213.80	3906.75	1879.46	304.20	.82	2.17	1.06	1.20
*	190.000	292.33	289.58	6.33	5500.00	.00	5492.38	7.62	292.68	72.92	.00	4.78	1.60
*	190.000	298.58	293.27	12.58	19000.00	17606.84	1376.30	16.86	298.61	.34	1.49	.53	.26
*	190.000	304.17	296.09	18.17	38000.00	35057.19	2848.27	94.54	304.23	.37	1.94	.73	.39
*	200.000	295.59	291.94	9.59	5500.00	.00	3535.88	1964.12	295.92	97.85	.00	4.54	4.70
*	200.000	298.64	296.07	12.64	19000.00	14980.87	1208.48	2810.64	298.67	4.22	1.28	1.06	1.98
*	200.000	304.23	296.04	18.23	38000.00	25807.11	2296.01	9896.88	304.29	3.17	1.46	1.25	2.83
*	209.000	297.24	289.81	11.24	5500.00	.00	4292.07	1207.93	297.32	18.45	.00	2.23	2.40
	209.000	298.86	294.41	12.86	19000.00	13259.06	3258.61	2482.33	298.90	7.31	1.62	1.42	2.02
	209.000	304.37	298.01	18.37	38000.00	19216.78	5155.20	13628.02	304.43	3.91	1.53	1.41	2.71
	210.000	297.26	289.81	11.26	5500.00	.00	4283.05	1216.95	297.34	18.30	.00	2.22	2.39
*	210.000	298.53	294.42	12.53	19000.00	318.92	11253.71	7427.37	299.06	98.00	.78	5.07	6.99
*	210.000	304.27	298.71	18.27	38000.00	6899.24	8612.57	22488.19	304.48	11.15	1.38	2.37	4.55
	211.000	297.28	289.81	11.28	5500.00	.00	4270.59	1229.41	297.36	18.08	.00	2.21	2.39
*	211.000	299.09	294.45	13.09	19000.00	13062.24	3231.94	2705.82	299.13	6.62	1.56	1.37	2.00
*	211.000	304.44	298.02	18.44	38000.00	19152.07	5139.33	13708.60	304.50	3.82	1.51	1.40	2.70
*	220.000	297.89	291.05	9.89	5500.00	496.91	1720.96	3282.13	297.93	3.84	1.42	.62	2.06
	220.000	299.72	293.82	11.72	19000.00	2459.53	4297.91	12242.56	299.88	12.67	3.24	1.27	3.74
	220.000	304.70	297.10	16.70	38000.00	6257.28	4679.12	27063.60	304.84	4.14	3.03	.94	3.20
	230.000	298.09	292.22	10.09	5500.00	226.66	1227.24	4046.11	298.15	4.82	1.64	.69	2.14
	230.000	300.31	295.61	12.31	19000.00	990.62	2830.93	15178.45	300.51	12.09	3.49	1.28	3.89
	230.000	304.89	298.79	16.89	38000.00	2672.93	3499.65	31827.42	305.11	5.78	3.42	1.11	3.95
*	239.000	298.49	292.31	8.49	5500.00	256.73	3999.96	1243.30	298.55	24.81	3.61	1.50	2.65
*	239.000	301.09	295.05	11.09	19000.00	1098.98	9079.54	8821.48	301.53	50.96	7.56	2.58	6.84
*	239.000	304.95	297.86	14.95	38000.00	2261.69	13044.92	22693.39	305.82	37.93	8.86	2.73	9.04
	240.000	299.11	292.25	9.11	5500.00	.00	5500.00	.00	299.15	26.86	.00	1.51	.00
	240.000	302.91	294.63	12.91	19000.00	.00	19000.00	.00	303.10	88.17	.00	3.50	.00
*	240.000	306.98	297.17	16.98	38000.00	2.51	37997.49	.00	307.39	132.29	2.48	5.14	.00
*	242.000	299.11	292.36	9.11	5500.00	.00	5500.00	.00	299.16	1.65	.00	1.65	.00
*	242.000	302.90	294.92	12.90	19000.00	.00	19000.00	.00	303.13	5.86	.00	3.81	.00
*	242.000	306.97	297.53	16.97	38000.00	.86	37999.14	.00	307.45	9.39	.87	5.58	.00
	243.000	299.12	292.36	9.12	5500.00	.00	5500.00	.00	299.17	1.65	.00	1.64	.00
	243.000	302.94	294.92	12.94	19000.00	.00	18998.44	1.56	303.17	5.76	.00	3.79	.83
	243.000	307.03	297.53	17.03	38000.00	.00	37980.43	19.57	307.51	9.20	.00	5.56	1.87
*	244.000	299.13	293.11	9.13	5500.00	.00	5500.00	.00	299.17	16.71	.00	1.61	.00
*	244.000	302.98	295.42	12.98	19000.00	.00	19000.00	.00	303.18	49.28	.00	3.60	.00
*	244.000	307.12	297.69	17.12	38000.00	.00	38000.00	.00	307.54	68.67	.00	5.17	.00

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
*	245.000	299.25	291.96	9.25	5500.00	1772.77	3300.55	426.67	299.27	3.02	2.08	.79	1.14
*	245.000	303.31	293.94	13.31	19000.00	6924.77	9705.65	2369.58	303.46	7.47	4.53	1.60	2.76
*	245.000	307.60	296.07	17.60	38000.00	15026.63	17368.30	5605.07	307.90	9.20	6.02	2.15	4.10
*	250.000	299.61	294.12	9.61	5500.00	465.96	2041.67	2992.37	299.64	9.03	1.75	1.35	1.42
	250.000	303.98	297.67	13.98	19000.00	2393.91	3925.00	12681.09	304.07	8.63	3.30	1.73	2.40
	250.000	308.39	299.02	18.39	38000.00	5707.44	5891.23	26401.33	308.53	7.38	3.95	1.94	3.03
*	260.000	301.69	299.32	7.69	5500.00	4.74	3124.67	2370.58	302.04	128.34	1.04	3.58	5.96
*	260.000	305.60	302.86	11.60	19000.00	145.05	6136.34	12718.61	306.18	75.05	1.97	3.99	6.94
*	260.000	309.50	305.03	15.50	38000.00	533.71	9184.63	28281.66	310.32	51.19	2.43	4.18	8.05
*	270.000	304.94	302.24	6.94	5000.00	135.44	1101.45	3763.12	305.04	13.02	.87	1.19	2.86
*	270.000	309.13	304.11	11.13	17000.00	722.38	3375.75	12901.86	309.43	18.42	1.51	2.06	4.87
*	270.000	312.91	306.51	14.91	37000.00	3461.39	6445.74	27092.86	313.42	22.38	2.13	2.84	6.49
	280.000	306.58	304.34	6.58	5000.00	8.59	677.95	4313.45	306.66	19.15	.22	1.34	2.35
	280.000	310.69	306.47	10.69	17000.00	1243.15	1301.51	14455.34	310.78	9.49	.79	1.41	2.56
*	280.000	314.65	307.87	14.65	37000.00	4252.19	2248.31	30499.50	314.79	8.45	1.26	1.69	3.23
*	285.000	309.46	308.24	7.46	5000.00	1667.43	3332.57	.00	310.19	322.35	7.75	6.35	.00
	285.000	311.36	310.17	9.36	17000.00	855.65	936.07	15208.28	311.46	10.55	1.95	1.36	2.66
	285.000	315.19	310.14	13.19	37000.00	2834.59	1494.34	32671.07	315.32	7.33	2.13	1.47	3.09
*	290.000	311.26	308.89	9.26	5000.00	377.35	605.98	4016.67	311.29	5.05	1.36	.85	1.26
*	290.000	312.28	310.33	10.28	17000.00	1584.03	1590.00	13825.97	312.42	22.02	3.36	1.95	3.12
	290.000	315.74	311.14	13.74	37000.00	5645.32	2055.88	29298.79	315.91	10.93	3.69	1.75	3.28
*	300.000	311.55	311.55	5.55	5000.00	.00	5000.00	.00	313.27	1962.97	.00	10.51	.00
*	300.000	314.23	314.23	8.23	17000.00	286.78	1423.32	15289.89	314.42	24.35	2.09	1.57	3.64
*	300.000	316.68	314.07	10.68	37000.00	2017.90	2638.48	32343.62	316.97	23.31	3.86	1.99	4.51
*	310.000	316.01	315.21	8.01	5000.00	32.44	119.42	4848.14	316.01	.53	.27	.21	.65
*	310.000	316.12	316.12	8.12	17000.00	127.58	409.22	16463.20	316.19	5.77	.96	.71	2.16
*	310.000	317.75	316.17	9.75	37000.00	923.32	958.02	35118.66	317.94	11.63	2.19	1.23	3.55
*	320.000	316.10	313.00	6.10	5000.00	.00	2826.23	2173.76	316.17	36.05	.02	1.84	2.38
*	320.000	317.20	315.31	7.20	17000.00	20.34	6993.39	9986.27	317.53	113.07	2.79	3.73	5.16
*	320.000	319.50	317.26	9.50	37000.00	415.25	9871.67	26713.07	320.03	76.42	5.29	3.81	6.42
*	330.000	317.40	314.90	5.40	4500.00	2189.61	1298.56	1011.83	317.43	8.73	1.63	1.56	1.29
*	330.000	320.02	316.29	8.02	16000.00	7795.19	3404.37	4800.44	320.16	15.60	3.19	2.74	2.82
*	330.000	322.64	317.81	10.64	36000.00	17451.99	6631.55	11916.46	322.98	22.88	4.91	4.01	4.51
*	340.000	318.00	312.98	8.00	4500.00	.00	4500.00	.00	318.08	22.82	.00	2.34	.00
	340.000	320.85	318.01	10.85	16000.00	2136.81	8249.37	5613.83	320.97	16.19	2.75	2.63	3.10
	340.000	323.83	318.38	13.83	36000.00	5787.48	16945.89	13266.63	324.12	21.71	4.36	3.83	4.71
	345.000	318.75	315.23	6.75	4500.00	.00	4500.00	.00	318.85	32.65	.00	2.51	.00
*	345.000	321.48	317.65	9.48	16000.00	.00	16000.00	.00	321.90	75.02	.00	5.24	.00
	345.000	324.53	320.58	12.53	36000.00	9000.80	20015.54	6983.66	324.88	32.91	5.05	4.43	5.08

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
	355.000	319.87	317.65	5.87	4500.00	.00	4500.00	.00	319.99	49.37	.00	2.71	.00
*	355.000	323.21	319.69	9.21	16000.00	2074.87	12305.64	1619.49	323.40	36.06	2.88	3.64	3.83
	355.000	325.62	322.03	11.62	36000.00	7691.40	24308.14	4000.46	326.04	48.86	4.84	5.23	5.69
	356.000	321.18	319.26	5.18	4500.00	182.48	4313.35	4.18	321.32	56.88	3.94	2.99	1.29
*	356.000	324.35	321.27	8.35	16000.00	904.82	14913.02	182.16	324.79	76.15	4.46	5.36	4.13
	356.000	327.08	323.83	11.08	36000.00	6303.11	29018.37	678.52	327.84	90.99	5.06	7.38	6.80
*	358.000	321.22	.00	5.22	4500.00	227.75	4272.25	.00	321.35	13.01	2.15	3.03	.00
*	358.000	324.61	.00	8.61	16000.00	1038.06	14961.94	.00	325.01	16.15	1.88	5.27	.00
*	358.000	326.84	.00	10.84	36000.00	3921.70	32076.86	1.44	327.84	28.38	3.09	8.45	1.43
	360.000	321.72	319.18	5.72	4500.00	3623.61	871.85	4.53	321.77	9.85	1.82	1.27	.49
	360.000	325.42	320.76	9.42	16000.00	12673.09	2977.71	349.20	325.54	10.43	2.94	2.11	1.22
	360.000	328.48	322.42	12.48	36000.00	28113.28	6466.44	1420.28	328.75	15.12	4.45	3.21	1.90
	370.000	322.15	320.39	4.15	4500.00	3827.15	650.36	22.49	322.21	17.34	2.02	1.80	.36
	370.000	325.80	321.67	7.80	16000.00	12524.04	1496.16	1979.80	325.89	10.21	2.67	2.15	1.31
	370.000	329.03	323.34	11.03	36000.00	26808.71	2886.22	6305.06	329.21	11.60	3.75	2.90	2.09
	380.000	322.77	321.10	4.77	4500.00	3714.70	547.23	238.07	322.84	21.89	2.19	2.21	.73
	380.000	326.16	322.67	8.16	16000.00	11858.48	1073.28	3068.24	326.26	12.82	2.86	2.46	1.57
	380.000	329.42	324.11	11.42	36000.00	25572.29	1929.96	8497.75	329.61	13.03	3.79	3.13	2.34
*	390.000	324.09	324.09	6.09	4500.00	3602.22	892.84	4.94	324.18	22.36	2.51	1.81	.16
	390.000	326.98	324.15	8.98	16000.00	11641.73	2618.06	1740.21	327.16	23.13	3.78	2.80	1.73
	390.000	330.21	325.75	12.21	36000.00	24816.59	5296.08	5887.33	330.53	23.12	5.04	3.72	2.81
*	400.000	324.51	319.30	6.51	4500.00	54.32	4359.04	86.64	324.52	2.48	.84	1.06	1.22
*	400.000	327.78	320.86	9.78	16000.00	815.43	14634.10	550.46	327.87	6.88	2.40	2.34	2.99
*	400.000	331.25	322.75	13.25	36000.00	3271.30	30978.52	1750.18	331.46	10.97	4.19	3.63	4.67
	410.000	324.66	319.37	6.66	4500.00	67.74	4367.22	65.04	324.68	2.13	1.12	1.16	1.10
	410.000	328.21	321.04	10.21	16000.00	489.87	15037.09	473.04	328.32	5.89	2.75	2.58	2.76
	410.000	331.94	323.09	13.94	36000.00	1728.95	32628.17	1642.89	332.20	9.68	4.16	4.08	4.38
	415.000	324.82	319.44	6.82	4500.00	52.13	4346.92	100.95	324.84	1.91	1.00	1.10	1.10
	415.000	328.64	321.12	10.64	16000.00	438.58	14857.79	703.63	328.73	4.76	2.46	2.36	2.63
	415.000	332.65	323.10	14.65	36000.00	1523.58	32138.53	2337.89	332.86	7.44	3.99	3.67	4.18
*	420.000	324.95	319.89	6.95	4500.00	121.46	4196.72	181.82	324.98	4.59	1.73	1.38	1.80
	420.000	328.92	322.16	10.92	16000.00	777.27	14134.86	1087.87	329.05	9.26	3.73	2.76	3.85
	420.000	333.05	324.28	15.05	36000.00	2397.94	30349.92	3252.14	333.36	13.23	5.79	4.17	5.89
*	421.000	325.69	325.69	1.69	4500.00	7.38	4492.61	.00	326.49	310.62	3.21	7.16	.00
*	421.000	329.13	327.79	5.13	16000.00	423.69	15573.99	2.32	330.07	81.09	6.76	7.81	2.08
*	421.000	333.18	330.37	9.18	36000.00	1644.28	34226.88	128.84	334.57	54.04	9.09	9.48	5.52
*	422.000	325.92	325.92	1.92	4500.00	.00	4500.00	.00	326.84	122.62	.00	7.66	.00
	422.000	328.87	328.35	4.87	16000.00	156.96	15814.34	28.70	330.49	74.04	4.78	10.25	3.22
	422.000	332.76	331.29	8.76	36000.00	971.57	34795.18	233.25	335.11	61.07	8.74	12.42	5.16

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
*	423.000	326.98	325.92	2.98	4500.00	5.07	4493.96	.97	327.34	28.73	1.23	4.84	.92
	423.000	329.93	328.35	5.93	16000.00	246.85	15707.25	45.90	331.00	39.99	4.64	8.34	2.85
	423.000	333.68	331.29	9.68	36000.00	1074.38	34645.84	279.78	335.58	45.42	8.18	11.19	4.90
*	424.000	327.57	327.57	1.57	4500.00	11.18	4437.88	50.94	328.36	313.90	4.20	7.12	5.12
*	424.000	329.68	329.63	3.68	16000.00	120.64	15499.69	379.67	331.40	222.75	6.83	10.60	8.35
	424.000	333.88	332.18	7.88	36000.00	720.74	33946.13	1333.12	335.68	85.12	7.38	10.87	8.95
*	425.000	330.21	328.26	4.21	4500.00	475.64	3410.68	613.68	330.32	34.35	2.18	2.86	2.19
*	425.000	333.00	330.47	7.00	16000.00	4062.70	7496.39	4440.91	333.23	27.16	3.77	3.66	4.18
*	425.000	336.57	332.11	10.57	36000.00	12474.56	12538.71	10986.73	336.91	18.23	4.82	3.99	5.27
	430.000	331.65	328.97	5.65	4500.00	89.16	3166.98	1243.86	331.79	28.18	3.05	3.21	2.50
	430.000	334.41	331.83	8.41	16000.00	932.29	7630.10	7437.61	334.85	40.75	3.52	5.10	5.66
	430.000	337.53	334.17	11.53	36000.00	6532.62	12473.31	16994.07	338.20	36.82	4.22	6.03	7.60
	440.000	333.17	330.78	5.17	3800.00	1130.53	2584.14	85.33	333.30	27.36	2.69	3.01	2.76
	440.000	336.54	333.51	8.54	15000.00	7443.48	6868.42	688.10	336.89	34.39	4.89	4.77	3.84
	440.000	339.55	336.14	11.55	34000.00	19760.93	10978.19	3260.88	340.06	31.29	5.90	5.59	4.84
*	450.000	333.41	329.21	5.41	3800.00	35.47	3760.94	3.59	333.44	.81	.21	1.36	.32
*	450.000	337.06	331.00	9.06	15000.00	1283.51	13678.05	38.43	337.19	1.90	.93	2.95	.80
*	450.000	340.18	333.28	12.18	34000.00	4669.53	29193.01	137.46	340.48	3.20	1.62	4.68	1.15
	460.000	333.45	329.03	5.45	3800.00	4.86	3791.37	3.77	333.47	.44	.30	1.01	.25
	460.000	337.17	330.53	9.17	15000.00	169.05	14788.13	42.81	337.25	1.16	.38	2.32	.65
	460.000	340.40	332.27	12.40	34000.00	1767.11	32067.00	165.89	340.60	1.97	1.00	3.70	.82
*	470.000	333.43	331.35	5.43	3800.00	1598.18	2180.28	21.54	333.58	28.27	3.12	3.19	2.26
*	470.000	337.15	334.10	9.15	15000.00	9219.26	5630.33	150.41	337.53	27.48	5.15	4.62	3.63
*	470.000	340.49	336.44	12.49	34000.00	24053.42	9528.00	418.57	340.98	25.98	5.62	5.61	4.69
*	480.000	334.48	332.35	4.48	3800.00	.00	3800.00	.00	334.74	59.10	.00	4.11	.00
*	480.000	338.06	335.55	8.06	15000.00	.00	15000.00	.00	339.17	114.83	.00	8.47	.00
*	480.000	340.18	339.28	10.18	34000.00	.00	33999.99	.00	343.59	260.96	.05	14.80	.05
	483.000	335.05	332.71	5.05	3800.00	.00	3800.00	.00	335.31	53.26	.00	4.09	.00
	483.000	339.22	336.07	9.22	15000.00	.00	15000.00	.00	340.21	92.11	.00	7.99	.00
*	483.000	343.81	339.97	13.81	34000.00	4246.96	28574.24	1178.80	345.05	72.58	4.16	9.55	5.14
*	484.000	335.52	334.42	5.52	3800.00	.00	3800.00	.00	336.66	214.59	.00	8.55	.00
*	484.000	340.00	340.00	10.00	15000.00	.00	15000.00	.00	342.76	419.85	.00	13.32	.00
	484.000	345.16	344.27	15.16	34000.00	12069.74	19867.79	2062.46	345.96	77.92	5.60	8.14	5.72
*	485.000	342.38	342.38	2.38	3800.00	473.32	3303.06	23.62	342.84	261.92	2.72	5.74	1.78
*	485.000	343.61	343.61	3.61	15000.00	6436.30	7533.99	1029.70	344.56	304.00	7.33	8.35	6.76
*	485.000	344.96	344.96	4.96	34000.00	18995.99	11935.60	3068.41	346.38	249.49	9.59	9.46	9.82
*	486.000	342.85	334.42	12.85	3800.00	295.93	3470.92	33.15	342.90	6.26	.70	1.90	.54
*	486.000	344.45	340.02	14.45	15000.00	4196.73	10107.52	695.76	344.70	26.42	2.74	4.49	2.77
*	486.000	346.04	344.26	16.04	34000.00	14543.03	17214.68	2242.29	346.56	43.13	4.98	6.44	5.10

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
	490.000	342.93	334.58	12.93	3800.00	1058.72	2622.77	118.51	342.99	3.83	1.08	2.11	.55
	490.000	344.82	342.45	14.82	15000.00	7578.81	6447.62	973.57	345.03	14.01	3.12	4.45	1.57
	490.000	346.63	344.22	16.63	34000.00	20711.90	10502.13	2785.97	347.12	24.38	5.43	6.39	2.76
*	500.000	343.01	332.39	13.01	3500.00	227.37	2620.72	651.91	343.02	.20	.55	.89	.68
*	500.000	345.12	335.45	15.12	14000.00	1815.60	9151.84	3032.56	345.21	1.46	1.41	2.65	2.26
*	500.000	347.25	339.32	17.25	33000.00	6846.64	18675.81	7477.55	347.54	3.83	2.95	4.72	4.31
*	507.000	343.02	336.49	9.02	3500.00	.21	3489.11	10.68	343.04	.69	.18	1.14	.31
*	507.000	345.17	338.68	11.17	14000.00	12.24	13798.75	189.01	345.35	4.47	1.17	3.46	1.62
*	507.000	347.29	341.36	13.29	33000.00	75.49	32147.81	776.70	347.95	12.21	2.72	6.57	3.71
	508.000	343.02	336.49	9.02	3500.00	.26	3489.51	10.23	343.04	1.05	.23	1.36	.37
	508.000	345.13	338.96	11.13	14000.00	15.63	13799.92	184.45	345.40	7.73	1.52	4.17	1.98
	508.000	347.15	342.28	13.15	33000.00	98.20	32125.39	776.40	348.12	23.89	3.75	7.99	4.67
	509.000	343.02	336.49	9.02	3500.00	93.47	3406.23	.30	343.05	1.09	.91	1.37	.24
	509.000	345.19	338.97	11.19	14000.00	434.92	13548.69	16.39	345.45	7.74	2.74	4.16	1.34
	509.000	347.35	342.34	13.35	33000.00	1163.49	31709.77	126.74	348.29	22.80	5.20	7.86	3.55
	510.000	343.04	336.29	11.04	3500.00	.51	3495.03	4.47	343.05	.64	.19	1.11	.36
	510.000	345.31	338.42	13.31	14000.00	30.94	13901.71	67.35	345.48	4.07	1.26	3.36	1.54
*	510.000	347.81	341.33	15.81	33000.00	185.11	32472.07	342.83	348.40	10.23	2.95	6.23	3.06
*	515.000	343.06	333.17	11.06	3500.00	809.00	2640.59	50.41	343.06	.06	.37	.47	.33
*	515.000	345.50	334.97	13.50	14000.00	3525.09	10243.73	231.18	345.53	.50	1.23	1.49	1.13
*	515.000	348.42	337.03	16.42	33000.00	8886.85	23511.88	601.26	348.53	1.37	2.39	2.80	2.23
	520.000	343.06	333.64	11.06	3500.00	223.73	3222.72	53.56	343.07	.07	.39	.62	.25
	520.000	345.51	335.66	13.51	14000.00	980.04	12670.52	349.44	345.57	.56	1.28	1.96	.90
	520.000	348.44	337.78	16.44	33000.00	2492.70	29358.02	1149.28	348.64	1.52	2.43	3.70	1.88
*	530.000	343.06	335.52	9.06	3500.00	99.10	3015.01	385.89	343.08	.22	.55	1.02	.55
*	530.000	345.51	337.82	11.51	14000.00	481.09	11650.48	1868.44	345.64	1.51	1.73	3.10	1.78
*	530.000	348.42	340.61	14.42	33000.00	1398.24	26600.53	5001.23	348.85	3.72	2.90	5.66	3.41
	535.000	343.06	335.68	9.06	3500.00	21.59	3227.96	250.45	343.09	.34	.49	1.23	.59
	535.000	345.51	338.23	11.51	14000.00	140.19	12466.26	1393.55	345.71	2.27	1.60	3.73	1.95
	535.000	348.39	341.37	14.39	33000.00	476.10	28410.79	4113.12	349.04	5.60	3.10	6.80	3.79
	540.000	343.08	335.52	9.08	3500.00	96.33	3322.87	80.80	343.10	.26	.58	1.08	.53
	540.000	345.62	337.80	11.62	14000.00	487.23	13039.04	473.73	345.79	1.77	1.85	3.32	1.65
	540.000	348.69	340.63	14.69	33000.00	1372.19	30075.06	1552.75	349.22	4.31	3.42	6.05	3.12
	550.000	343.09	335.81	9.09	3500.00	310.45	3060.59	128.96	343.12	.38	.71	1.30	.56
	550.000	345.73	338.58	11.73	14000.00	1500.79	11556.68	942.53	345.93	2.31	2.14	3.81	1.53
	550.000	348.98	341.72	14.98	33000.00	4054.18	25198.35	3747.47	349.52	4.85	3.65	6.51	2.98
	560.000	343.12	335.84	9.12	3500.00	163.37	2615.08	721.56	343.14	.29	.51	1.11	.62
	560.000	345.93	338.60	11.93	14000.00	756.45	9628.40	3615.15	346.05	1.57	1.49	3.12	1.78
	560.000	349.45	341.20	15.45	33000.00	1970.78	21017.41	10011.81	349.77	3.15	2.57	5.26	3.17

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
	562.000	343.13	335.83	9.13	3500.00	208.08	2018.58	1273.33	343.15	.27	.48	1.09	.67
	562.000	345.99	338.27	11.99	14000.00	981.33	7347.66	5671.01	346.09	1.45	1.42	3.02	1.88
	562.000	349.60	341.04	15.60	33000.00	2589.05	15894.73	14516.22	349.86	2.82	2.42	5.02	3.22
	564.000	343.14	335.88	9.14	3500.00	310.43	2399.56	790.02	343.15	.26	.49	.96	.59
	564.000	346.04	338.52	12.04	14000.00	1432.98	8775.11	3791.90	346.13	1.39	1.43	2.66	1.74
	564.000	349.70	340.80	15.70	33000.00	3756.00	19117.62	10126.38	349.93	2.68	2.46	4.42	3.04
	566.000	343.14	335.83	9.14	3500.00	56.98	3346.48	96.54	343.17	.40	.23	1.33	.38
	566.000	346.00	338.53	12.00	14000.00	448.01	12887.16	664.83	346.21	2.31	.82	3.86	1.20
	566.000	349.52	341.86	15.52	33000.00	1542.81	29141.49	2315.69	350.15	4.91	1.60	6.71	2.25
	570.000	343.14	336.17	9.14	3500.00	35.10	3338.40	126.50	343.19	.72	.24	1.83	.53
	570.000	345.95	339.37	11.95	14000.00	422.29	12765.36	812.34	346.36	4.31	.95	5.35	1.69
	570.000	349.31	343.61	15.31	33000.00	1677.45	28598.42	2724.13	350.50	9.45	2.02	9.34	3.12
	572.000	343.16	336.01	9.16	3500.00	135.14	3268.52	96.34	343.20	.55	.42	1.60	.49
	572.000	346.12	339.03	12.12	14000.00	660.66	12771.96	567.38	346.44	3.29	1.32	4.72	1.64
	572.000	349.70	342.60	15.70	33000.00	1798.60	29349.23	1852.17	350.68	7.32	2.39	8.37	2.80
	574.000	343.19	335.65	9.19	3500.00	31.20	3401.65	67.14	343.21	.34	.27	1.25	.38
	574.000	346.30	338.13	12.30	14000.00	189.37	13404.29	406.34	346.50	1.97	.89	3.69	1.27
	574.000	350.20	341.31	16.20	33000.00	598.52	31154.21	1247.27	350.82	4.24	1.65	6.50	2.38
	576.000	343.18	336.04	9.18	3500.00	27.99	3271.69	200.33	343.22	.57	.33	1.61	.46
	576.000	346.27	339.15	12.27	14000.00	181.47	12545.56	1272.97	346.57	3.13	1.04	4.59	1.56
	576.000	350.13	342.88	16.13	33000.00	618.24	28472.94	3908.82	350.98	6.41	1.87	7.90	2.95
*	582.000	343.19	338.06	7.19	3500.00	18.15	3293.95	187.90	343.26	1.36	.42	2.13	.45
	582.000	346.34	341.21	10.34	14000.00	248.41	11866.20	1885.39	346.72	5.21	.88	5.34	1.65
	582.000	350.38	345.01	14.38	33000.00	1286.23	25422.99	6290.77	351.21	7.95	1.74	8.22	3.00
	584.000	343.23	338.04	7.23	3500.00	111.49	3133.31	255.20	343.28	1.12	.47	1.95	.55
	584.000	346.51	341.04	10.51	14000.00	621.11	11493.93	1884.97	346.83	4.29	1.30	4.89	1.64
	584.000	350.65	344.44	14.65	33000.00	1772.10	25150.29	6077.61	351.37	6.75	2.14	7.67	2.86
	586.000	343.25	338.28	7.25	3500.00	107.20	2814.59	578.21	343.31	1.26	.42	2.07	.67
	586.000	346.62	341.49	10.62	14000.00	713.07	10058.24	3228.69	346.92	4.49	1.24	5.03	1.91
	586.000	350.84	344.57	14.84	33000.00	2203.22	21878.80	8917.99	351.51	6.89	2.09	7.80	3.21
*	592.000	343.28	339.06	7.28	3500.00	119.56	2966.91	413.53	343.39	2.61	.71	2.86	.87
	592.000	346.64	342.68	10.64	14000.00	648.98	10781.11	2569.91	347.24	9.01	1.84	6.94	2.56
*	592.000	350.70	346.18	14.70	33000.00	1906.43	23719.64	7373.93	352.10	14.17	3.00	10.90	4.36
*	594.000	342.88	342.88	2.88	3500.00	12.04	3477.35	10.60	344.13	1609.07	4.56	8.99	5.24
*	594.000	346.54	346.54	6.54	14000.00	777.51	12416.39	806.10	349.36	1087.75	14.29	13.30	14.97
*	594.000	351.08	351.08	11.08	33000.00	3208.35	25565.12	4226.52	355.39	748.92	18.16	15.87	19.75
*	600.000	347.60	344.47	5.60	3500.00	22.17	3469.40	8.42	347.78	90.32	1.61	3.36	1.82
*	600.000	352.67	347.95	10.67	14000.00	2100.26	11554.22	345.52	353.17	101.97	5.58	5.64	6.36
*	600.000	358.03	351.56	16.03	33000.00	8333.46	23386.91	1279.63	358.99	102.56	8.68	7.49	8.98

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
	610.000	348.97	344.07	6.97	3500.00	18.16	3469.42	12.42	349.02	21.71	1.32	1.86	1.45
*	610.000	354.74	346.85	12.74	14000.00	376.35	13356.60	267.05	354.96	35.47	3.67	3.69	3.96
*	610.000	360.64	349.98	18.64	33000.00	2136.44	29761.13	1102.43	361.11	46.26	5.32	5.51	6.18
	620.000	350.07	346.12	6.07	3500.00	.00	3500.00	.00	350.15	38.61	.00	2.24	.00
	620.000	356.32	348.79	12.32	14000.00	.00	14000.00	.00	356.53	44.79	.00	3.67	.00
	620.000	362.65	352.26	18.65	33000.00	.00	33000.00	.00	363.07	52.70	.00	5.17	.00
	630.000	351.00	346.72	7.00	3500.00	25.66	3424.46	49.88	351.07	31.54	1.63	2.16	1.97
	630.000	357.37	349.53	13.37	14000.00	673.16	12602.71	724.14	357.60	36.28	3.32	3.79	4.77
	630.000	363.81	352.78	19.81	33000.00	4241.49	26310.72	2447.79	364.26	38.49	5.17	5.18	6.96
*	640.000	352.71	349.21	6.71	3500.00	19.88	3456.85	23.27	352.95	103.21	2.33	3.99	2.69
*	640.000	359.14	353.37	13.14	14000.00	562.38	12779.50	658.12	359.91	125.75	5.78	7.13	6.68
*	640.000	365.40	358.29	19.40	33000.00	2646.47	26312.99	4040.55	366.87	137.12	9.82	9.77	9.25

	SECNO	STCHL	XLBEL	STCHR	RBEL	K*XNL	K*XNCH	K*XNR	XLCH	K*CHSL	AREA	CASE	OLOSS
	280.000	958.00	306.00	1060.00	306.00	140.00	140.00	56.63	1040.00	1.92	2381.84	.00	.00
	280.000	958.00	306.00	1060.00	306.00	136.67	140.00	61.27	1040.00	1.92	8151.86	.00	.02
*	280.000	958.00	306.00	1060.00	306.00	131.07	140.00	62.51	1040.00	1.92	14143.50	16384.00	.04
*	285.000	706.60	306.00	792.20	310.00	60.00	140.00	.00	670.00	2.99	739.90	16384.00	.20
	285.000	706.60	306.00	792.20	310.00	60.00	140.00	55.00	670.00	2.99	6842.89	.00	.00
	285.000	706.60	306.00	792.20	310.00	60.00	140.00	55.00	670.00	2.99	12921.02	.00	.00
*	290.000	2655.10	308.00	2758.90	310.00	40.00	140.00	55.00	645.00	.00	4178.03	16384.00	.07
*	290.000	2655.10	308.00	2758.90	310.00	40.00	140.00	55.00	645.00	.00	5719.69	16384.00	.01
	290.000	2655.10	308.00	2758.90	310.00	40.00	140.00	55.00	645.00	.00	11641.00	.00	.01
*	300.000	2536.20	312.00	2708.70	314.00	.00	140.00	.00	660.00	6.06	475.53	4113.00	.51
*	300.000	2536.20	312.00	2708.70	314.00	40.00	140.00	55.01	660.00	6.06	5242.69	4097.00	.01
*	300.000	2536.20	312.00	2708.70	314.00	40.00	140.00	55.29	660.00	6.06	9019.24	16384.00	.04
*	310.000	2698.40	314.00	2822.30	316.00	40.00	140.00	55.00	610.00	3.28	8155.24	12.00	.13
*	310.000	2698.40	314.00	2822.30	316.00	40.00	140.00	55.00	610.00	3.28	8340.59	4097.00	.01
*	310.000	2698.40	314.00	2822.30	316.00	40.00	140.00	55.00	610.00	3.28	11103.00	16384.00	.01
*	320.000	988.70	316.00	1300.00	312.00	40.00	140.00	55.00	750.00	2.67	2446.27	16384.00	.02
*	320.000	988.70	316.00	1300.00	312.00	40.00	140.00	55.00	750.00	2.67	3817.34	16384.00	.08
*	320.000	988.70	316.00	1300.00	312.00	40.00	140.00	55.00	750.00	2.67	6830.29	16384.00	.10
*	330.000	1760.00	314.00	1917.00	314.00	60.00	85.00	60.00	780.00	2.56	2958.09	16384.00	.00
*	330.000	1760.00	314.00	1917.00	314.00	60.00	85.00	60.00	780.00	2.56	5385.31	16384.00	.02
*	330.000	1760.00	314.00	1917.00	314.00	60.00	85.00	60.00	780.00	2.56	7846.14	16384.00	.02
*	340.000	1410.00	320.00	1843.20	318.00	.00	85.00	.00	505.00	-3.96	1925.67	12.00	-.19
	340.000	1410.00	320.00	1843.20	318.00	60.00	85.00	60.00	505.00	-3.96	5728.72	.00	.00
	340.000	1410.00	320.00	1843.20	318.00	60.00	85.00	60.00	505.00	-3.96	8568.22	.00	.01
	345.000	1509.80	322.00	1995.50	324.00	.00	85.00	.00	280.00	7.14	1794.58	.00	.00
*	345.000	1509.80	322.00	1995.50	324.00	.00	85.00	.00	280.00	7.14	3053.97	16384.00	.09
	345.000	1509.80	322.00	1995.50	324.00	60.00	85.00	60.00	280.00	7.14	7679.23	.00	.02
	355.000	1731.40	322.00	2253.80	322.00	.00	85.00	.00	285.00	7.02	1659.95	.00	.01
*	355.000	1731.40	322.00	2253.80	322.00	60.00	85.00	60.00	285.00	7.02	4524.20	16384.00	.07
	355.000	1731.40	322.00	2253.80	322.00	60.00	85.00	60.00	285.00	7.02	6936.99	.00	.04
	356.000	1836.00	316.00	2258.20	320.00	60.00	85.00	60.00	250.00	8.00	1492.74	.00	.01
*	356.000	1836.00	316.00	2258.20	320.00	60.00	85.00	60.00	250.00	8.00	3030.29	16384.00	.12
	356.000	1836.00	316.00	2258.20	320.00	60.00	85.00	60.00	250.00	8.00	5280.17	.00	.17
*	358.000	1850.00	316.00	2278.40	326.00	60.00	40.00	.00	65.00	.00	1516.22	16384.00	.00
*	358.000	1850.00	316.00	2278.40	326.00	60.00	40.00	.00	65.00	.00	3394.45	16384.00	.00
*	358.000	1850.00	316.00	2278.40	326.00	60.00	40.00	30.00	65.00	.00	5065.33	16384.00	.00
	360.000	2187.00	320.00	2382.90	320.00	60.00	85.00	85.00	345.00	.00	2691.38	.00	.03
	360.000	2187.00	320.00	2382.90	320.00	60.00	85.00	85.00	345.00	.00	6014.31	.00	.09
	360.000	2187.00	320.00	2382.90	320.00	60.00	85.00	85.00	345.00	.00	9078.59	.00	.22

	SECNO	STCHL	XLBEL	STCHR	RBEL	K*XNL	K*XNCH	K*XNR	XLCH	K*CHSL	AREA	CASE	OLOSS
	572.000	832.00	336.00	1056.10	336.00	85.00	30.00	60.00	187.00	.00	2558.63	.00	.00
	572.000	832.00	336.00	1056.10	336.00	85.00	30.00	60.00	187.00	.00	3551.73	.00	.01
	572.000	832.00	336.00	1056.10	336.00	85.00	30.00	60.00	187.00	.00	4923.13	.00	.02
	574.000	747.50	336.00	1043.60	336.00	85.00	30.00	60.00	200.00	.00	3003.66	.00	.00
	574.000	747.50	336.00	1043.60	336.00	85.00	30.00	60.00	200.00	.00	4167.46	.00	.01
	574.000	747.50	336.00	1043.60	336.00	85.00	30.00	60.00	200.00	.00	5678.56	.00	.04
	576.000	733.40	338.00	959.30	338.00	85.00	30.00	60.00	170.00	.00	2557.57	.00	.00
	576.000	733.40	338.00	959.30	338.00	85.00	30.00	60.00	170.00	.00	3723.22	.00	.03
	576.000	733.40	338.00	959.30	338.00	85.00	30.00	60.00	170.00	.00	5257.77	.00	.07
*	582.000	698.20	338.00	914.10	338.00	85.00	30.00	60.00	330.00	6.06	2000.60	16384.00	.01
	582.000	698.20	338.00	914.10	338.00	85.00	30.00	60.00	330.00	6.06	3652.04	.00	.03
	582.000	698.20	338.00	914.10	338.00	85.00	30.00	60.00	330.00	6.06	5930.21	.00	.00
	584.000	632.70	338.00	857.90	338.00	85.00	30.00	60.00	200.00	.00	2313.37	.00	.00
	584.000	632.70	338.00	857.90	338.00	85.00	30.00	60.00	200.00	.00	3974.75	.00	.01
	584.000	632.70	338.00	857.90	338.00	85.00	30.00	60.00	200.00	.00	6231.95	.00	.01
	586.000	582.70	338.00	772.70	338.00	85.00	30.00	60.00	205.00	.00	2473.80	.00	.00
	586.000	582.70	338.00	772.70	338.00	85.00	30.00	60.00	205.00	.00	4266.64	.00	.00
	586.000	582.70	338.00	772.70	338.00	85.00	30.00	60.00	205.00	.00	6630.65	.00	.00
*	592.000	443.90	338.00	597.60	338.00	85.00	30.00	60.00	380.00	.00	1682.44	16384.00	.02
	592.000	443.90	338.00	597.60	338.00	85.00	30.00	60.00	380.00	.00	2908.41	.00	.09
*	592.000	443.90	338.00	597.60	338.00	85.00	30.00	60.00	380.00	.00	4503.71	16384.00	.22
*	594.000	630.70	342.00	779.90	342.00	75.00	125.00	65.00	230.00	17.39	391.60	4113.00	.34
*	594.000	630.70	342.00	779.90	342.00	75.00	125.00	65.00	230.00	17.39	1042.12	4113.00	.66
*	594.000	630.70	342.00	779.90	342.00	75.00	125.00	65.00	230.00	17.39	2001.67	4097.00	.87
*	600.000	778.90	346.00	979.10	346.00	75.00	125.00	65.00	150.00	13.33	1050.18	16384.00	.11
*	600.000	778.90	346.00	979.10	346.00	75.00	125.00	65.00	150.00	13.33	2478.23	16384.00	.23
*	600.000	778.90	346.00	979.10	346.00	75.00	125.00	65.00	150.00	13.33	4223.28	16384.00	.33
*	610.000	319.90	346.00	622.80	346.00	75.00	125.00	65.00	315.00	.00	1888.20	16384.00	.01
*	610.000	319.90	346.00	622.80	346.00	75.00	125.00	65.00	315.00	.00	3785.76	16384.00	.03
*	610.000	319.90	346.00	622.80	346.00	75.00	125.00	65.00	315.00	.00	5979.75	16384.00	.05
	620.000	299.20	364.00	732.00	364.00	.00	125.00	.00	395.00	5.06	1565.84	.00	.01
	620.000	299.20	364.00	732.00	364.00	.00	125.00	.00	395.00	5.06	3810.68	.00	.00
	620.000	299.20	364.00	732.00	364.00	.00	125.00	.00	395.00	5.06	6383.09	.00	.01
	630.000	445.60	348.00	718.00	348.00	75.00	125.00	65.00	265.00	.00	1626.77	.00	.00
	630.000	445.60	348.00	718.00	348.00	75.00	125.00	65.00	265.00	.00	3677.48	.00	.01
	630.000	445.60	348.00	718.00	348.00	75.00	125.00	65.00	265.00	.00	6248.92	.00	.01
*	640.000	433.90	350.00	577.60	350.00	75.00	125.00	65.00	350.00	5.71	884.56	16384.00	.05
*	640.000	433.90	350.00	577.60	350.00	75.00	125.00	65.00	350.00	5.71	1987.05	16384.00	.16
*	640.000	433.90	350.00	577.60	350.00	75.00	125.00	65.00	350.00	5.71	3398.63	16384.00	.31

FLOODPLAIN ANALYSIS USIN

'MMARY PRINTOUT

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
*	100.000	217.57	365.18	582.75	1.37	.00	.00	-.38	.00
*	100.000	243.88	350.09	593.98	2.87	.00	.00	.12	.00
*	100.000	267.38	333.94	601.32	4.37	.00	.00	.54	.00
*	110.000	256.70	343.03	599.73	.40	5.09	6.16	.00	2.50
*	110.000	294.65	313.86	608.51	1.07	4.95	6.93	.00	2.11
*	110.000	317.03	299.47	616.51	1.89	4.71	7.44	.00	1.98
*	120.000	266.83	343.89	610.72	.21	1.60	1.81	.00	1.76
*	120.000	318.94	317.15	636.08	.64	2.00	2.48	.00	1.56
*	120.000	352.06	298.54	650.59	1.20	2.09	2.84	.00	1.50
*	130.000	294.15	337.47	631.62	.11	4.79	4.89	.00	1.79
*	130.000	383.10	280.93	664.03	.33	5.99	6.33	.00	1.92
*	130.000	477.60	205.47	683.07	.62	6.53	7.17	.00	1.90
	140.000	279.71	231.67	511.38	.08	2.49	2.53	.00	1.23
	140.000	343.42	191.42	534.84	.27	3.30	3.38	.00	1.12
	140.000	395.33	159.51	554.85	.53	3.80	3.92	.00	1.07
*	150.000	465.99	273.21	739.21	.03	1.09	1.16	.00	1.80
*	150.000	820.50	256.50	1077.00	.08	1.34	1.59	.00	2.03
	150.000	976.14	193.86	1170.00	.19	1.07	1.52	.00	2.70
*	160.000	879.25	416.46	1417.87	.03	.57	1.86	.00	1.47
*	160.000	1004.06	393.87	1435.07	.06	.50	.53	.00	1.83
*	160.000	1351.05	371.95	1792.62	.09	.41	.53	.00	1.59
	170.000	1209.06	526.11	1735.17	.07	.19	.17	.00	.88
	170.000	1578.05	424.65	2002.70	.04	.10	.12	.00	1.22
*	170.000	1746.03	353.97	2100.00	.05	.08	.12	.00	1.44
*	180.000	1174.34	589.79	1764.13	.03	.12	.16	.00	2.40
*	180.000	1364.71	542.29	1907.00	.05	.08	.07	.00	1.68
*	180.000	1516.94	483.06	2000.00	.07	.06	.05	.00	1.43
*	190.000	222.16	1591.63	1813.80	.36	.19	-.04	.00	.13
*	190.000	1354.17	470.63	1824.79	.03	.03	.04	.00	1.64
*	190.000	1445.98	448.28	1894.26	.05	.03	.04	.00	1.48
*	200.000	400.18	1463.85	1912.67	.33	6.23	3.27	.00	.77
*	200.000	1498.28	405.66	1920.35	.03	.06	.06	.00	.28
*	200.000	1650.90	330.74	1981.63	.06	.06	.06	.00	.34
*	209.000	559.54	1269.51	1829.05	.08	1.37	1.65	.00	2.30
	209.000	1542.50	462.86	2005.36	.04	.23	.22	.00	.76
	209.000	1917.89	378.61	2296.50	.06	.14	.14	.00	.90

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
	210.000	561.45	1269.45	1830.90	.08	.02	.02	.00	1.00
*	210.000	1515.00	463.66	1978.66	.53	.02	-.33	.00	.27
*	210.000	1912.10	379.89	2291.99	.22	.01	-.10	.00	.59
	211.000	564.09	1269.38	1833.46	.08	.02	.02	.00	1.01
*	211.000	1562.44	462.27	2024.72	.04	.02	.56	.00	3.85
*	211.000	1922.16	377.66	2299.82	.06	.01	.17	.00	1.71
*	220.000	829.88	588.76	1418.64	.04	.57	.61	.00	2.17
	220.000	1556.57	512.27	2068.84	.17	.72	.63	.00	.72
	220.000	1684.07	453.30	2137.37	.14	.32	.26	.00	.96
	230.000	1161.69	888.31	2050.00	.06	.21	.21	.00	.89
	230.000	1189.72	860.28	2050.00	.20	.62	.59	.00	1.02
	230.000	1225.00	825.00	2050.00	.22	.24	.19	.00	.85
*	239.000	670.00	2370.00	3040.00	.06	.40	.40	.00	.44
*	239.000	670.00	2370.00	3040.00	.44	.94	.78	.00	.49
*	239.000	670.00	2370.00	3040.00	.87	.52	.06	.00	.39
	240.000	465.94	2535.36	3001.30	.04	.60	.63	.00	.96
	240.000	475.76	2527.39	3003.16	.19	1.54	1.82	.00	.76
*	240.000	493.98	2517.24	3011.22	.41	1.52	2.03	.00	.54
*	242.000	465.94	2535.36	3001.30	.04	.00	.00	.00	4.03
*	242.000	475.77	2527.39	3003.16	.23	.01	-.00	.00	3.88
*	242.000	493.85	2517.27	3011.12	.48	.02	-.01	.00	3.75
	243.000	465.96	2535.34	3001.31	.04	.01	.01	.00	1.00
	243.000	475.90	2527.27	3003.18	.22	.04	.04	.00	1.01
	243.000	494.44	2517.13	3011.57	.48	.06	.07	.00	1.01
*	244.000	473.58	2581.75	3055.33	.04	.00	.01	.00	.31
*	244.000	492.44	2570.80	3063.24	.20	.01	.04	.00	.34
*	244.000	510.83	2559.70	3070.54	.41	.02	.09	.00	.37
*	245.000	743.54	771.46	1515.00	.03	.10	.12	.00	2.35
*	245.000	770.97	744.03	1515.00	.15	.27	.33	.00	2.57
*	245.000	857.35	657.65	1515.00	.29	.35	.48	.00	2.73
*	250.000	949.16	2471.90	3451.24	.03	.36	.36	.00	.58
	250.000	1043.91	2450.67	3494.58	.09	.60	.67	.00	.93
	250.000	1193.14	2344.04	3537.17	.14	.62	.78	.00	1.12
*	260.000	373.84	2369.80	2899.39	.35	2.31	2.08	.00	.27
*	260.000	606.15	2348.13	2954.27	.58	1.97	1.63	.00	.34
*	260.000	678.31	2326.64	3004.95	.82	1.59	1.12	.00	.38
*	270.000	527.65	2457.59	2985.24	.10	2.97	3.25	.00	2.85
*	270.000	634.42	2403.90	3038.32	.29	3.22	3.53	.00	1.81
*	270.000	1073.30	2043.92	3117.22	.51	3.07	3.41	.00	1.47

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
	280.000	1118.94	832.22	1951.17	.08	1.61	1.64	.00	.82
	280.000	1492.56	514.15	2006.72	.09	1.33	1.55	.00	1.39
*	280.000	1526.23	496.37	2022.59	.14	1.34	1.74	.00	1.63
*	285.000	187.78	603.26	791.04	.73	3.33	2.88	.00	.24
	285.000	1417.11	574.16	2029.62	.10	.68	.67	.00	.95
	285.000	1709.02	404.11	2113.13	.14	.53	.53	.00	1.07
*	290.000	1456.11	2502.24	4112.91	.02	1.03	1.81	.00	7.99
*	290.000	1627.63	2386.33	4133.77	.14	.95	.92	.00	.69
	290.000	1774.24	2326.69	4154.67	.17	.57	.55	.00	.82
*	300.000	141.57	2543.03	2684.59	1.72	1.22	.29	.00	.05
*	300.000	1479.73	2418.32	4007.17	.19	1.55	1.95	.00	.95
*	300.000	1605.71	2340.00	4014.77	.29	1.03	.94	.00	.68
*	310.000	1627.58	2579.64	4207.22	.01	.13	4.45	.00	73.96
*	310.000	1635.13	2572.54	4207.67	.07	.63	1.89	.00	2.05
*	310.000	1743.70	2470.35	4214.04	.19	.96	1.08	.00	1.42
*	320.000	1235.07	987.67	2222.75	.07	.14	.09	.00	.12
*	320.000	1270.69	976.51	2247.21	.33	1.26	1.08	.00	.23
*	320.000	1322.48	950.00	2272.48	.53	1.98	1.74	.00	.39
*	330.000	908.73	1348.51	2257.24	.04	1.26	1.30	.00	1.83
*	330.000	932.00	1339.89	2271.89	.14	2.62	2.83	.00	2.53
*	330.000	949.66	1330.08	2279.74	.33	2.93	3.14	.00	1.78
*	340.000	410.11	1433.00	1843.11	.08	.68	.60	.00	.92
	340.000	949.98	1230.02	2180.00	.12	.81	.83	.00	.98
	340.000	958.29	1221.71	2180.00	.28	1.14	1.19	.00	1.03
	345.000	450.06	1520.33	1970.39	.10	.76	.75	.00	.84
*	345.000	472.68	1511.32	1984.00	.43	.84	.63	.00	.46
	345.000	1060.00	1210.00	2270.00	.35	.74	.69	.00	.81
	355.000	505.03	1735.39	2240.42	.11	1.13	1.12	.00	.81
*	355.000	971.37	1398.63	2370.00	.20	1.43	1.73	.00	1.44
	355.000	1000.00	1370.00	2370.00	.42	1.13	1.09	.00	.82
	356.000	446.62	1817.06	2263.68	.14	1.32	1.31	.00	.93
*	356.000	672.52	1340.00	2277.25	.44	1.27	1.15	.00	.69
	356.000	941.47	1340.00	2281.47	.76	1.63	1.46	.00	.73
*	358.000	446.96	1816.89	2263.85	.14	.03	.03	.00	2.09
*	358.000	1041.44	995.53	2277.43	.41	.22	.25	.00	2.17
*	358.000	940.80	1340.00	2280.80	1.00	.00	-.24	5.62	1.79
	360.000	822.88	1570.80	2393.69	.05	.38	.50	.00	1.15
	360.000	932.58	1548.16	2600.00	.12	.44	.81	.00	1.24
	360.000	1070.00	1530.00	2600.00	.27	.69	1.64	6.76	1.37

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
	370.000	1172.43	1476.98	2649.41	.06	.44	.43	.00	.75
	370.000	1295.17	1470.00	2765.17	.10	.36	.38	.00	1.01
	370.000	1338.60	1470.00	2808.60	.18	.46	.55	6.88	1.14
	380.000	1176.37	1562.96	2855.80	.07	.62	.61	.00	.89
	380.000	1310.65	1552.53	2943.86	.11	.36	.36	.00	.89
	380.000	1420.00	1540.00	2960.00	.19	.39	.39	6.65	.94
*	390.000	1060.00	1680.00	2740.00	.09	1.15	1.32	.00	.99
	390.000	1060.00	1680.00	2740.00	.19	.88	.82	.00	.74
	390.000	1060.00	1680.00	2740.00	.32	.88	.79	6.12	.75
*	400.000	749.71	1749.00	2558.91	.02	.34	.42	.00	3.00
*	400.000	793.88	1749.00	2574.33	.09	.69	.80	.00	1.83
*	400.000	856.00	1749.00	2605.00	.22	.92	1.04	6.74	1.45
	410.000	629.53	3040.66	3670.18	.02	.16	.16	.00	1.08
	410.000	663.18	3023.24	3686.42	.10	.44	.43	.00	1.08
	410.000	745.38	2970.00	3715.38	.26	.72	.69	7.27	1.06
	415.000	672.30	3228.21	3900.52	.02	.16	.16	.00	1.06
	415.000	710.95	3211.75	3922.70	.09	.41	.43	.00	1.11
	415.000	765.00	3180.00	3945.00	.21	.66	.71	7.82	1.14
*	420.000	584.68	3440.34	4025.02	.03	.14	.13	.00	.65
	420.000	618.47	3424.74	4043.21	.13	.31	.28	.00	.72
	420.000	654.28	3410.72	4065.00	.31	.47	.40	8.10	.75
*	421.000	399.18	2643.36	3042.54	.79	.55	.74	.00	.12
*	421.000	425.03	2626.05	3051.08	.94	.78	.21	.00	.34
*	421.000	441.58	2616.04	3057.62	1.39	.89	.14	7.49	.49
*	422.000	398.07	2646.10	3044.17	.91	.18	.23	.00	1.59
	422.000	424.19	2626.44	3050.63	1.62	.08	-.26	.00	1.05
	422.000	440.48	2616.63	3057.12	2.35	.06	-.42	6.83	.94
*	423.000	410.27	4636.59	5046.85	.36	.34	1.05	.00	2.07
	423.000	427.66	4624.81	5052.47	1.07	.35	1.06	.00	1.36
	423.000	442.86	4615.35	5058.21	1.90	.34	.92	6.70	1.16
*	424.000	411.69	4655.52	5067.21	.78	.07	.60	.00	.30
*	424.000	427.08	4647.78	5074.85	1.72	.08	-.25	.00	.42
	424.000	450.42	4632.27	5082.69	1.79	.06	.21	6.31	.73
*	425.000	746.66	4609.03	5355.69	.11	1.76	2.63	.00	3.02
*	425.000	981.07	4418.93	5400.00	.23	1.38	3.32	.00	2.86
*	425.000	1029.97	4370.03	5400.00	.34	.80	2.68	6.36	2.16
	430.000	493.84	5506.16	6000.00	.14	1.46	1.44	.00	1.10
	430.000	639.91	5360.09	6000.00	.44	1.55	1.41	.00	.82
	430.000	1173.91	4540.00	6000.00	.67	1.19	.96	5.88	.70

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
	440.000	422.09	4879.20	5308.55	.13	1.51	1.52	.00	.86
	440.000	704.60	4723.29	5427.88	.36	2.04	2.12	.00	1.02
	440.000	1256.17	4248.70	5504.87	.51	1.84	2.02	6.38	1.02
*	450.000	745.45	4549.95	5384.50	.03	.13	.24	.00	5.82
*	450.000	899.12	4492.46	5391.58	.12	.27	.52	.00	4.26
*	450.000	1285.09	4214.91	5500.00	.30	.40	.63	6.77	3.13
	460.000	722.08	4617.95	5340.03	.02	.03	.04	.00	1.35
	460.000	1086.99	4262.57	5349.56	.08	.06	.11	.00	1.28
	460.000	1395.66	4154.93	5550.59	.20	.11	.22	6.95	1.27
*	470.000	394.82	4297.49	5151.46	.15	.08	-.02	.00	.13
*	470.000	554.80	4281.79	5157.48	.38	.18	-.02	.00	.21
*	470.000	1312.80	3713.88	5163.76	.49	.29	.09	7.06	.28
*	480.000	229.99	3884.62	4114.61	.26	1.13	1.05	.00	.69
*	480.000	243.28	3876.88	4120.16	1.11	1.43	.91	.00	.49
*	480.000	253.48	3872.13	4125.61	3.40	1.73	-.30	5.70	.32
	483.000	214.92	3875.12	4090.04	.26	.56	.56	.00	1.05
	483.000	238.94	3858.07	4097.01	.99	1.03	1.16	.00	1.12
*	483.000	939.37	2900.00	4211.31	1.24	1.25	3.62	8.76	1.90
*	484.000	95.50	3821.67	3917.17	1.14	1.09	.48	.00	.50
*	484.000	207.02	3810.79	4017.82	2.76	1.97	.78	.00	.47
	484.000	1270.00	2920.00	4190.00	.81	.87	1.35	9.63	.97
*	485.000	832.58	2920.00	4130.65	.46	.24	6.86	.00	.91
*	485.000	1033.77	2920.00	4180.00	.95	.35	3.61	.00	1.18
*	485.000	1260.00	2920.00	4180.00	1.42	.13	-.19	2.58	.56
*	486.000	939.68	2920.00	4180.00	.05	.02	.47	.00	6.47
*	486.000	1260.00	2920.00	4180.00	.25	.06	.83	.00	3.39
*	486.000	1260.00	2920.00	4180.00	.52	.09	1.08	3.19	2.40
	490.000	1090.00	3030.00	4120.00	.05	.08	.08	.00	1.28
	490.000	1090.00	3030.00	4120.00	.21	.33	.37	.00	1.37
	490.000	1090.00	3030.00	4120.00	.48	.56	.59	3.70	1.33
*	500.000	674.01	3515.99	4190.00	.01	.03	.07	.00	4.01
*	500.000	910.00	3280.00	4190.00	.09	.18	.31	.00	2.89
*	500.000	910.00	3280.00	4190.00	.29	.40	.62	4.24	2.45
*	507.000	466.41	3858.46	4324.87	.02	.02	.01	.00	.54
*	507.000	475.36	3854.72	4330.09	.18	.11	.05	.00	.57
*	507.000	487.36	3849.40	4336.76	.66	.30	.04	4.27	.56
	508.000	466.41	3858.46	4324.87	.03	.00	-.00	.00	.81
	508.000	475.23	3854.77	4330.00	.27	.01	-.04	.00	.76
	508.000	486.38	3849.86	4336.24	.97	.02	-.14	4.13	.72

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
	509.000	466.42	3858.45	4324.88	.03	.01	.01	.00	.98
	509.000	475.41	3854.71	4330.11	.26	.05	.06	.00	1.00
	509.000	487.74	3849.22	4336.95	.94	.15	.20	4.33	1.02
	510.000	447.14	3880.05	4327.19	.02	.00	.01	.00	1.31
	510.000	462.10	3873.53	4335.63	.17	.01	.12	.00	1.38
*	510.000	490.81	3865.09	4355.90	.59	.01	.46	4.77	1.49
*	515.000	816.83	3650.08	4470.00	.00	.00	.02	.00	3.13
*	515.000	824.96	3644.50	4470.00	.03	.03	.19	.00	2.85
*	515.000	830.00	3640.00	4470.00	.11	.08	.61	5.36	2.73
	520.000	653.83	4270.18	4924.01	.01	.00	.00	.00	.93
	520.000	664.66	4264.60	4929.26	.06	.03	.01	.00	.94
	520.000	697.36	4240.00	4937.36	.20	.08	.02	5.38	.95
*	530.000	499.72	4153.54	4653.26	.01	.01	.00	.00	.58
*	530.000	512.37	4145.48	4657.86	.13	.05	.00	.00	.61
*	530.000	569.22	4094.10	4663.32	.43	.14	-.02	5.35	.64
	535.000	418.15	2104.88	2523.03	.02	.01	.00	.00	.81
	535.000	434.09	2099.75	2533.84	.20	.05	.01	.00	.82
	535.000	471.54	2089.53	2561.07	.65	.13	-.02	5.33	.81
	540.000	417.98	2020.56	2438.54	.02	.01	.02	.00	1.13
	540.000	442.64	2014.72	2457.36	.16	.07	.11	.00	1.13
	540.000	461.29	2007.70	2469.00	.53	.17	.30	5.61	1.14
	550.000	416.60	1802.78	2219.38	.02	.02	.02	.00	.83
	550.000	565.05	1781.35	2346.40	.20	.13	.11	.00	.88
	550.000	600.30	1754.91	2355.22	.54	.30	.29	5.88	.94
	560.000	592.98	1576.87	2169.85	.02	.02	.03	.00	1.15
	560.000	644.95	1569.15	2214.10	.12	.11	.20	.00	1.21
	560.000	660.25	1559.51	2219.76	.33	.23	.47	6.33	1.24
	562.000	655.44	1095.28	1750.72	.01	.01	.01	.00	1.03
	562.000	706.56	1084.16	1790.72	.10	.04	.06	.00	1.04
	562.000	730.39	1070.07	1800.46	.27	.08	.15	6.47	1.06
	564.000	675.06	933.84	1608.91	.01	.01	.01	.00	1.02
	564.000	720.39	916.00	1636.39	.08	.03	.05	.00	1.02
	564.000	750.80	905.83	1656.63	.23	.06	.10	6.56	1.03
	566.000	470.27	871.96	1342.23	.03	.01	-.00	.00	.82
	566.000	512.59	861.90	1374.50	.21	.05	-.04	.00	.77
	566.000	559.78	847.60	1407.39	.63	.10	-.18	6.38	.74
	570.000	372.60	1545.41	1918.00	.05	.01	-.00	.00	.74
	570.000	415.97	1531.64	1947.61	.41	.09	-.05	.00	.73
	570.000	444.72	1523.54	1968.26	1.19	.19	-.21	6.17	.72

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
	572.000	330.17	773.74	1103.91	.04	.01	.03	.00	1.15
	572.000	343.20	768.82	1112.02	.32	.07	.17	.00	1.14
	572.000	404.57	755.79	1160.36	.98	.15	.39	6.54	1.14
	574.000	368.23	718.64	1086.87	.02	.01	.02	.00	1.28
	574.000	378.70	713.10	1091.80	.20	.05	.18	.00	1.29
	574.000	418.68	703.72	1122.41	.62	.11	.50	7.01	1.31
	576.000	369.24	709.37	1078.61	.04	.01	-.00	.00	.77
	576.000	387.19	699.23	1086.42	.30	.04	-.02	.00	.79
	576.000	409.24	686.76	1096.00	.85	.09	-.07	6.94	.81
*	582.000	461.68	681.54	1143.22	.07	.03	.01	.00	.65
	582.000	559.30	589.38	1148.68	.38	.13	.07	.00	.78
	582.000	572.48	580.92	1153.40	.84	.23	.25	7.18	.90
	584.000	471.91	566.36	1038.26	.05	.02	.04	.00	1.10
	584.000	522.26	556.01	1078.28	.31	.09	.17	.00	1.10
	584.000	563.52	535.83	1099.35	.72	.15	.27	7.42	1.09
	586.000	521.31	495.60	1016.91	.05	.02	.02	.00	.94
	586.000	545.19	479.58	1024.77	.30	.09	.11	.00	.98
	586.000	568.40	464.01	1032.41	.67	.14	.19	7.59	.99
*	592.000	351.91	398.38	750.29	.11	.07	.03	.00	.69
	592.000	379.10	379.09	758.19	.60	.23	.02	.00	.71
*	592.000	410.68	370.15	780.83	1.40	.36	-.14	7.41	.70
*	594.000	159.83	624.68	784.51	1.25	.22	-.41	.00	.04
*	594.000	190.56	612.31	802.87	2.81	.70	-.10	.00	.09
*	594.000	237.35	594.05	831.40	4.30	1.01	.39	8.20	.14
*	600.000	223.28	761.63	984.91	.17	3.54	4.72	.00	4.22
*	600.000	304.48	687.64	992.11	.50	3.58	6.13	.00	3.27
*	600.000	340.85	658.13	998.97	.96	3.27	6.94	10.42	2.70
*	610.000	317.52	310.93	628.45	.05	1.23	1.36	.00	2.04
*	610.000	346.51	290.77	637.28	.21	1.76	2.08	.00	1.70
*	610.000	386.69	259.33	646.02	.47	2.07	2.61	11.67	1.49
	620.000	296.12	413.58	709.70	.08	1.12	1.10	.00	.75
	620.000	379.77	340.18	719.95	.21	1.57	1.57	.00	.89
	620.000	428.48	301.57	730.04	.42	1.95	2.01	12.58	.94
	630.000	296.26	435.76	732.02	.07	.92	.93	.00	1.11
	630.000	357.36	386.26	743.62	.23	1.07	1.05	.00	1.11
	630.000	414.34	338.28	752.63	.44	1.18	1.16	12.82	1.17
*	640.000	156.40	427.59	583.99	.24	1.83	1.71	.00	.55
*	640.000	186.55	412.61	599.16	.77	2.15	1.77	.00	.54
*	640.000	282.79	400.55	683.34	1.47	2.30	1.59	12.69	.53

SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION SECNO= 100.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 100.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 100.000 PROFILE= 3 CRITICAL DEPTH ASSUMED

WARNING SECNO= 110.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 110.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 110.000 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 120.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 120.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 120.000 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 130.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 130.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 130.000 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 150.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 150.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 150.000 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 160.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 160.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
WARNING SECNO= 160.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 160.000 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 170.000 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 180.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 180.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 180.000 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 190.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 190.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 190.000 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 200.000 PROFILE= 1 WSEL ASSUMED BASED ON MIN DIFF
CAUTION SECNO= 200.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
WARNING SECNO= 200.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 200.000 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 209.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 210.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 210.000 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 211.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 211.000 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

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WARNING SECNO=    220.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    239.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    239.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    239.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    240.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    242.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    242.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    242.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    244.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    244.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    244.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    245.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    245.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    245.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    250.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    260.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    260.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    260.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    270.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    270.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    270.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    280.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    285.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    290.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    290.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=    300.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    300.000  PROFILE=  1  SLOPE TOO STEEP
CAUTION SECNO=    300.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    300.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    300.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
WARNING SECNO=    300.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=    310.000  PROFILE=  1  WSEL ASSUMED BASED ON MIN DIFF
CAUTION SECNO=    310.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO=    310.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    310.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
WARNING SECNO=    310.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    320.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
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WARNING SECNO=    320.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    320.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    330.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    330.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    330.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=    340.000  PROFILE=  1  WSEL ASSUMED BASED ON MIN DIFF
CAUTION SECNO=    340.000  PROFILE=  1  20 TRIALS ATTEMPTED TO BALANCE WSEL

WARNING SECNO=    345.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    355.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    356.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    358.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    358.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    358.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=    390.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    390.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY

WARNING SECNO=    400.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    400.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    400.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    420.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=    421.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    421.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
WARNING SECNO=    421.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    421.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=    422.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    422.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY

WARNING SECNO=    423.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=    424.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    424.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
WARNING SECNO=    424.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    425.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    425.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    425.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    450.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    450.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    450.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    470.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
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WARNING SECNO=    470.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    470.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    480.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    480.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    480.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    483.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    484.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
CAUTION SECNO=    484.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    484.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

CAUTION SECNO=    485.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    485.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    485.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    485.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    485.000  PROFILE=  3  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    485.000  PROFILE=  3  MINIMUM SPECIFIC ENERGY

WARNING SECNO=    486.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    486.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    486.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    500.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    500.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    500.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    507.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    507.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    507.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    510.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    515.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    515.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    515.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    530.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    530.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    530.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    582.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    592.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    592.000  PROFILE=  3  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=    594.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    594.000  PROFILE=  1  SLOPE TOO STEEP
CAUTION SECNO=    594.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    594.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
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CAUTION SECNO= 594.000 PROFILE= 2 SLOPE TOO STEEP
CAUTION SECNO= 594.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY
JTION SECNO= 594.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 594.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY

WARNING SECNO= 600.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 600.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 600.000 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 610.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 610.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 610.000 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 640.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 640.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 640.000 PROFILE= 3 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

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**********************************************************
*  WATER SURFACE PROFILES                                *
*  DEVELOPED BY THE COE                                  *
*  VERSION OF SEPTEMBER 1988                             *
*                                                        *
*  RUN DATE     6/24/92    TIME    12:33: 4              *
**********************************************************
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**************************************
*  DODSON AND ASSOCIATES, INC.       *
*  HYDROLOGIST AND CIVIL ENGINEERS   *
*  7015 W TIDWELL SUITE 107          *
*  HOUSTON, TEXAS 77092              *
*  (713) 895-8322                    *
**************************************
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X     X  XXXXXXX   XXXXX             XXXXX
X     X  X        X     X           X     X
X     X  X        X                       X
XXXXXXX  XXXX     X         XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX  XXXXX              XXXXXXX
```

END OF BANNER

THIS RUN EXECUTED 6/24/92 12:33: 4

****

HEC2 RELEASE DATED SEPT 88

****

T1 SAN DIEGO RIVER
T2 CITY OF SANTEE
T3 PROFILE 1 - 112,000 CFS (500 YEAR - FEMA)

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		2			-1				290	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	-1	0	-1				-1			15

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

38	1	2	8	43	13	14	15	3	5
55	26	56		38	21	23	22	24	16
17	18	39	33	25	20	12		38	4
53	54	10	11	51	52	58			

NC	.08	.08	0.18	0.1	0.3					
QT	1.0	112000								
	MISSION DAM - DOWNSTREAM LIMIT OF STUDY (SUB-CRITICAL FLOW ASSUMED)									
X1	100	42.0	340.8	600.7	0.0	0.0	0.0			
GR	322.0	106.3	320.0	113.0	318.0	136.3	316.0	145.1	314.0	149.2
GR	312.0	156.4	310.0	163.1	308.0	173.8	306.0	184.7	304.0	195.9
GR	302.0	206.5	300.0	254.3	298.0	260.1	296.0	265.0	294.0	267.5
GR	292.0	274.0	290.0	278.2	288.0	289.9	286.0	302.9	284.0	308.8
GR	282.0	315.2	280.0	340.8	278.0	347.4	276.0	353.5	274.0	360.8
GR	272.0	383.8	270.0	502.7	270.0	562.6	272.0	577.0	274.0	584.1
GR	276.0	589.9	278.0	597.2	280.0	600.7	290.0	612.3	300.0	626.4
GR	310.0	650.9	312.0	658.7	314.0	662.9	314.0	676.5	312.0	689.0
GR	310.0	703.7	300.0	723.7						
NC	0.08	0.08	0.18							
X1	110	42.0	339.7	600.3	45.0	45.0	45.0			
GR	322.0	102.1	320.0	107.6	318.0	116.9	316.0	127.8	314.0	137.2
GR	312.0	150.6	310.0	159.7	308.0	165.6	306.0	171.6	304.0	186.0
GR	302.0	199.6	300.0	228.0	298.0	257.2	296.0	261.3	294.0	270.2
GR	292.0	276.4	290.0	280.6	288.0	299.4	286.0	308.1	284.0	314.0
GR	282.0	319.1	280.0	339.7	278.0	369.2	276.0	377.8	274.0	405.7

GR	274.0	424.4	276.0	513.7	274.0	561.0	274.0	571.2	278.0	589.6
GR	276.0	590.1	280.0	600.3	290.0	620.6	300.0	629.3	310.0	638.9
GR	312.0	644.0	314.0	647.2	318.0	659.0	320.0	669.0	322.0	682.9
GR	322.0	707.6	320.0	723.0						
NC	0.08	0.08	0.18							
X1	120	32.0	354.5	602.5	55.0	55.0	55.0			
GR	308.0	102.3	306.0	116.7	304.0	151.7	302.0	196.8	300.0	221.4
GR	298.0	252.0	296.0	274.8	294.0	281.9	292.0	290.3	290.0	304.3
GR	288.0	311.6	286.0	319.1	284.0	327.2	282.0	341.2	280.0	354.5
GR	278.0	367.7	276.0	399.7	274.0	403.0	274.0	425.1	274.0	467.8
GR	274.0	547.3	276.0	555.0	278.0	566.9	280.0	602.5	288.0	643.7
GR	290.0	648.8	300.0	670.6	310.0	693.0	312.0	702.1	314.0	713.5
GR	316.0	721.4	318.0	739.3						
NC	0.08	0.08	0.18							
X1	130	39.0	353.0	583.5	520.0	520.0	520.0			
GR	312.0	79.0	310.0	90.0	308.0	98.0	306.0	104.9	304.0	118.2
GR	302.0	123.6	300.0	141.8	298.0	205.2	296.0	271.7	294.0	278.5
GR	292.0	282.7	290.0	289.9	288.0	325.4	286.0	341.4	284.0	346.3
GR	280.0	353.0	278.0	357.1	278.0	375.2	278.0	394.4	276.0	420.6
GR	276.0	449.2	278.0	454.6	280.0	583.5	282.0	599.6	284.0	611.7
GR	286.0	627.5	288.0	644.3	290.0	653.5	298.0	683.1	300.0	687.1
GR	302.0	701.7	304.0	711.7	306.0	720.8	308.0	730.8	310.0	741.8
GR	312.0	759.2	314.0	773.7	316.0	790.4	318.0	820.0		
NC	0.08	0.08	0.18							
X1	140	32.0	242.6	482.4	555.0	555.0	555.0			
GR	330.0	102.8	320.0	127.5	310.0	152.4	300.0	161.2	294.0	209.3
GR	294.0	217.9	290.0	230.3	288.0	233.1	286.0	237.3	284.0	242.6
GR	282.0	247.1	280.0	259.9	278.0	269.7	276.0	332.7	276.0	349.0
GR	278.0	361.2	280.0	371.2	282.0	467.9	284.0	482.4	286.0	497.6
GR	288.0	507.7	290.0	514.9	300.0	546.9	302.0	555.2	304.0	562.8
GR	306.0	577.1	308.0	587.4	310.0	606.1	312.0	626.3	314.0	654.4
GR	316.0	690.6	316.0	781.7						
NC	0.08	0.035	0.16							
X1	150	39.0	273.6	738.1	555.0	555.0	580.0			
X3						1350.0				
GR	324.0	108.5	322.0	117.6	320.0	129.6	318.0	140.8	316.0	151.8
GR	314.0	159.5	312.0	167.6	310.0	175.6	300.0	203.4	298.0	206.4
GR	298.0	208.7	298.0	256.1	290.0	273.6	288.0	277.8	286.0	284.5
GR	284.0	293.6	282.0	385.5	280.0	411.0	280.0	552.4	280.0	655.2
GR	280.0	703.0	290.0	738.1	292.0	750.6	294.0	758.6	296.0	870.3
GR	296.0	894.6	296.0	1042.4	298.0	1080.5	300.0	1153.4	302.0	1232.5
GR	304.0	1332.3	306.0	1432.2	308.0	1480.5	310.0	1538.6	312.0	1585.5
GR	314.0	1637.3	316.0	1690.9	318.0	1742.0	320.0	1781.4		
NH	3	0.04	497.4	0.08	1450.1	0.040	2720.0			
X1	160	56	1331.1	1412.3	900.0	670.0	670.0			
X3						2430.0				
GR	322.0	0.0	320.0	55.0	318.0	85.0	316.0	133.6	314.0	158.2
GR	312.0	166.4	310.0	280.5	308.0	342.6	306.0	358.4	304.0	371.8
GR	302.0	379.5	300.0	388.4	298.0	395.0	296.0	400.8	294.0	409.4

GR	292.0	416.6	284.0	497.4	282.0	524.4	282.0	589.9	284.0	597.7
GR	286.0	637.8	288.0	649.2	290.0	1193.1	292.0	1208.4	294.0	1225.6
GR	296.0	1239.8	298.0	1254.6	300.0	1263.4	302.0	1271.5	302.0	1277.6
GR	300.0	1286.7	298.0	1294.6	296.0	1302.7	294.0	1320.7	292.0	1331.1
GR	290.0	1339.6	282.0	1363.6	282.0	1400.5	290.0	1412.3	300.0	1439.6
GR	306.0	1450.1	308.0	1483.3	306.0	1504.8	304.0	1515.9	302.0	1528.7
GR	302.0	1778.9	304.0	1792.9	306.0	1798.8	306.0	1873.0	304.0	1879.5
GR	304.0	1911.4	305.0	1930.0	310.0	2125.0	315.0	2430.0	320.0	2620.0
GR	328.0	2720.0								
NH	3	0.04	744.3	0.08	1725.4	0.04	3120.0			
X1	170	42.0	1483.2	1544.1	325.0	315.0	320.0			
X3						2750.0				
GR	320.0	164.6	318.0	193.5	316.0	222.9	314.0	243.0	312.0	266.0
GR	310.0	289.5	308.0	311.8	306.0	336.8	304.0	354.7	302.0	384.8
GR	300.0	407.7	298.0	429.7	296.0	457.8	294.0	489.8	292.0	530.3
GR	290.0	535.9	288.0	569.7	286.0	744.3	284.0	761.0	282.0	772.2
GR	282.0	813.9	284.0	822.3	286.0	830.3	288.0	842.6	290.0	867.5
GR	292.0	977.6	292.0	1483.2	290.0	1487.1	284.0	1504.3	284.0	1529.0
GR	290.0	1544.1	292.0	1725.4	294.0	1819.8	296.0	1883.7	298.0	1988.6
GR	300.0	2050.0	300.0	2200.0	305.0	2400.0	310.0	2630.0	310.0	2680.0
GR	315.0	2880.0	320.0	3120.0						
NH	4	0.04	608.0	0.03	1109.0	0.08	1759.0	0.04	2935.0	
X1	180	35.0	1530.0	1759.0	529.0	570.0	550.0			
GR	324.0	208.3	322.0	247.9	320.0	282.2	318.0	313.0	316.0	344.4
GR	314.0	371.7	310.0	415.0	300.0	531.0	290.0	608.0	288.0	647.0
GR	286.0	703.0	286.0	1032.0	288.0	1053.0	290.0	1109.0	292.0	1308.0
GR	292.0	1530.0	290.0	1603.0	288.0	1627.0	286.0	1640.0	286.0	1743.0
GR	288.0	1750.0	290.0	1759.0	296.0	1772.0	298.0	1800.0	296.0	1827.0
GR	296.0	1884.0	298.0	1887.0	300.0	1962.0	300.0	2380.0	305.0	2390.0
GR	300.0	2440.0	305.0	2500.0	310.0	2570.0	315.0	2850.0	320.0	2935.0
NH	4	0.04	508.2	0.03	1455.3	0.08	1827.3	0.04	2950.0	
X1	190	52	1576.3	1809.7	505.0	505.0	505.0			
GR	322.0	35.0	320.0	61.0	318.0	85.0	316.0	135.7	314.0	193.6
GR	312.0	243.3	310.0	277.0	310.0	339.0	310.0	407.4	308.0	424.7
GR	306.0	438.4	304.0	449.2	302.0	457.0	300.0	466.5	298.0	472.3
GR	296.0	500.5	294.0	508.2	292.0	518.3	290.0	524.8	288.0	531.3
GR	286.0	540.8	286.0	978.3	286.0	1036.5	286.0	1374.7	288.0	1391.0
GR	290.0	1413.5	292.0	1428.0	294.0	1443.6	296.0	1455.3	296.0	1576.3
GR	294.0	1586.7	292.0	1592.6	290.0	1603.2	288.0	1646.1	286.0	1668.1
GR	286.0	1706.0	286.0	1711.1	286.0	1798.8	288.0	1804.1	290.0	1809.7
GR	300.0	1827.3	302.0	1830.0	304.0	1891.2	306.0	1927.1	308.0	1932.4
GR	308.0	1936.0	306.0	1942.7	306.0	1952.2	310.0	2150.0	315.0	2380.0
GR	320.0	2750.0	325.0	2950.0						
NH	3	0.04	459.2	0.125	1599.5	0.04	2585.0			
X1	200	57.0	1439.7	1562.7	720.0	750.0	740.0			
GR	320.0	25.0	318.0	95.0	316.0	152.8	314.0	197.7	312.0	232.1
GR	310.0	257.8	308.0	284.8	306.0	307.0	304.0	333.7	302.0	359.3
GR	300.0	383.4	298.0	415.9	296.0	429.0	294.0	459.2	292.0	478.2
GR	290.0	484.7	288.0	492.8	286.0	975.5	286.0	1006.1	286.0	1203.4
GR	286.0	1406.9	288.0	1416.2	290.0	1423.8	292.0	1430.8	294.0	1434.3

GR	296.0	1439.7	296.0	1463.1	294.0	1466.8	292.0	1469.6	290.0	1474.0
GR	286.0	1482.4	286.0	1532.8	288.0	1548.0	290.0	1554.3	292.0	1558.1
GR	294.0	1562.7	296.0	1567.3	298.0	1570.1	300.0	1574.3	300.0	1585.0
GR	296.0	1593.3	294.0	1599.5	294.0	1637.4	294.0	1665.6	294.0	1695.5
GR	296.0	1771.3	296.0	1775.4	294.0	1779.7	294.0	1907.5	296.0	1914.0
GR	298.0	1918.9	300.0	1923.5	302.0	1929.2	305.0	2000.0	310.0	2300.0
GR	315.0	2490.0	320.0	2585.0						
NH	3	0.04	465.0	0.125	1479.2	0.04	2610.0			
X1	209	47	1233.4	1479.2	430.0	365.0	390.0			
GR	320.0	40.0	318.0	95.0	316.0	140.4	314.0	213.9	312.0	238.5
GR	310.0	249.4	308.0	258.8	308.0	278.4	308.0	306.3	306.0	357.7
GR	304.0	383.3	302.0	436.4	300.0	460.0	298.0	465.0	296.0	473.7
GR	294.0	492.3	292.0	514.5	290.0	554.4	288.0	673.2	286.0	779.3
GR	286.0	1081.2	288.0	1151.0	290.0	1166.1	292.0	1186.0	294.0	1203.7
GR	296.0	1225.8	298.0	1233.4	298.0	1266.3	296.0	1274.8	294.0	1280.7
GR	292.0	1291.8	290.0	1309.1	288.0	1316.7	286.0	1323.7	286.0	1437.3
GR	288.0	1458.5	290.0	1465.4	292.0	1471.5	294.0	1479.2	296.0	1655.4
GR	298.0	1934.4	300.0	2100.0	305.0	2325.0	310.0	2510.0	315.0	2540.0
GR	320.0	2550.0	325.0	2610.0						
NH	3	0.04	465.0	0.125	1479.2	0.04	2610.0			
X1	210	35	1233.4	1479.2	10.0	10.0	10.0			
GR	320.0	40.0	318.0	95.0	316.0	140.4	314.0	213.9	312.0	238.5
GR	310.0	249.4	308.0	258.8	308.0	278.4	308.0	306.3	306.0	357.7
GR	304.0	383.3	302.0	436.4	300.0	460.0	298.0	465.0	298.0	1233.4
GR	298.0	1266.3	296.0	1274.8	294.0	1280.7	292.0	1291.8	290.0	1309.1
GR	288.0	1316.7	286.0	1323.7	286.0	1437.3	288.0	1458.5	290.0	1465.4
GR	292.0	1471.5	294.0	1479.2	296.0	1655.4	298.0	1934.4	300.0	2100.0
GR	305.0	2325.0	310.0	2510.0	315.0	2540.0	320.0	2550.0	325.0	2610.0
NH	3	0.04	465.0	0.125	1479.2	0.04	2610.0			
X1	211	47	1233.4	1479.2	10.0	10.0	10.0			
GR	320.0	40.0	318.0	95.0	316.0	140.4	314.0	213.9	312.0	238.5
GR	310.0	249.4	308.0	258.8	308.0	278.4	308.0	306.3	306.0	357.7
GR	304.0	383.3	302.0	436.4	300.0	460.0	298.0	465.0	296.0	473.7
GR	294.0	492.3	292.0	514.5	290.0	554.4	288.0	673.2	286.0	779.3
GR	286.0	1081.2	288.0	1151.0	290.0	1166.1	292.0	1186.0	294.0	1203.7
GR	296.0	1225.8	298.0	1233.4	298.0	1266.3	296.0	1274.8	294.0	1280.7
GR	292.0	1291.8	290.0	1309.1	288.0	1316.7	286.0	1323.7	286.0	1437.3
GR	288.0	1458.5	290.0	1465.4	292.0	1471.5	294.0	1479.2	296.0	1655.4
GR	298.0	1934.4	300.0	2100.0	305.0	2325.0	310.0	2510.0	315.0	2540.0
GR	320.0	2550.0	325.0	2610.0						
NC	0.04	0.04	0.20							
X1	220	41	745.8	1065.0	830.0	770.0	810.0			
GR	322.0	150.4	320.0	203.3	318.0	243.5	316.0	285.0	314.0	322.2
GR	312.0	347.7	310.0	374.4	308.0	400.2	306.0	431.4	304.0	465.2
GR	302.0	485.6	300.0	510.2	298.0	524.9	298.0	574.3	298.0	584.8
GR	296.0	651.5	294.0	736.3	292.0	745.8	290.0	809.7	288.0	832.4
GR	288.0	990.1	290.0	1026.9	292.0	1065.0	294.0	1377.8	296.0	1394.0
GR	298.0	1420.2	298.0	1493.8	298.0	1539.1	298.0	1562.9	298.0	1687.3
GR	298.0	1757.3	298.0	1873.0	298.0	1920.0	298.0	1964.6	300.0	2085.9
GR	302.0	2110.3	304.0	2117.1	306.0	2174.7	308.0	2188.1	315.0	2330.0

GR	320.0	2390.0								
NC	0.04	0.04	0.20							
X1	230	45.0	941.1	1142.7	465.0	505.0	490.0			
GR	330.0	101.0	328.0	152.6	326.0	218.4	324.0	300.8	322.0	348.6
GR	320.0	387.2	318.0	451.4	316.0	496.5	314.0	545.0	312.0	593.3
GR	310.0	634.8	308.0	671.1	306.0	723.4	304.0	811.3	302.0	829.7
GR	300.0	865.9	298.0	889.4	296.0	902.0	294.0	939.5	292.0	941.1
GR	290.0	955.7	288.0	1002.9	288.0	1074.8	290.0	1090.0	292.0	1142.7
GR	294.0	1280.3	294.0	1427.1	294.0	1543.5	296.0	1559.7	298.0	1575.7
GR	298.0	1826.4	298.0	1844.4	298.0	2021.3	298.0	2061.1	300.0	2083.4
GR	302.0	2094.8	304.0	2109.5	306.0	2146.5	308.0	2209.0	310.0	2253.9
GR	312.0	2329.1	314.0	2373.7	316.0	2415.5	316.0	2439.6	318.0	2450.0
NC	0.04	0.04	0.20							
X1	239	36	2398.5	2724.4	400.0	440.0	420.0			
GR	326.0	1750.0	324.0	1802.0	322.0	1870.0	320.0	1920.0	318.0	2005.0
GR	316.0	2080.0	314.0	2125.5	312.0	2165.8	310.0	2233.3	308.0	2269.5
GR	306.0	2294.3	304.0	2331.7	302.0	2347.4	300.0	2357.7	298.0	2367.2
GR	296.0	2385.3	294.0	2398.5	292.0	2401.7	290.0	2404.4	290.0	2656.3
GR	292.0	2715.8	294.0	2724.4	296.0	2731.5	298.0	2742.2	298.0	2758.1
GR	296.0	2827.0	296.0	2869.3	298.0	2999.5	298.0	3198.0	298.0	3387.9
GR	300.0	3450.9	310.0	3495.2	320.0	3518.9	322.0	3522.4	324.0	3525.4
GR	326.0	3527.8								
NC	0.04	0.04	0.20							
X1	240	65	2519.3	3031.9	195.0	255.0	230.0			
GR	330.0	1682.0	328.0	1750.0	326.0	1805.0	324.0	1860.0	322.0	1920.0
GR	320.0	1980.0	318.0	2060.0	316.0	2139.9	314.0	2194.2	312.0	2259.3
GR	312.0	2339.4	312.0	2505.0	310.0	2508.9	308.0	2515.1	306.0	2519.3
GR	304.0	2524.1	302.0	2530.1	300.0	2533.9	298.0	2537.2	296.0	2540.2
GR	294.0	2543.1	292.0	2549.3	291.0	2584.8	291.0	2591.8	290.0	2668.2
GR	290.0	2675.2	290.0	2751.5	290.0	2758.5	290.0	2834.8	290.0	2841.8
GR	291.0	2918.2	291.0	2925.2	292.0	2934.7	294.0	2939.9	296.0	2954.4
GR	296.0	2977.8	296.0	2999.2	300.0	3001.9	306.0	3004.5	310.0	3031.9
GR	311.0	3036.7	312.0	3041.5	314.0	3074.7	310.0	3080.0	310.0	3180.0
GR	310.0	3238.5	320.0	3430.4	322.0	3475.0	324.0	3592.2	326.0	3677.8
GR	328.0	3684.3	328.0	3733.7	326.0	3788.3	324.0	3847.3	322.0	3883.8
GR	320.0	3953.1	318.0	4017.4	318.0	4167.3	320.0	4201.2	322.0	4225.0
GR	324.0	4239.0	326.0	4260.1	328.0	4274.0	330.0	4291.5	328.0	4386.5
NC	0.03	0.03	0.04	0.3	0.5					
	MAST	BLVD BRIDGE	(NORMAL	BRIDGE ROUTINE)						
X1	242	57	2519.3	3031.9	10	10	10			
BT	-31	2339.4	312.0	312.0	2505.0	315.0	311.5	2584.8	315.0	311.5
BT		2584.8	315.0	291.0	2591.8	315.0	291.0	2591.8	315.0	311.5
BT		2668.2	315.0	311.5	2668.2	315.0	290.0	2675.2	315.0	290.0
BT		2675.2	315.0	311.5	2751.5	315.0	311.5	2751.5	315.0	290.0
BT		2758.5	315.0	290.0	2758.5	315.0	311.5	2834.8	315.0	311.5
BT		2834.8	315.0	290.0	2841.8	315.0	290.0	2841.8	315.0	311.5
BT		2918.2	315.0	311.5	2918.2	315.0	291.0	2925.2	315.0	291.0
BT		2925.2	315.0	311.5	3004.5	315.0	311.5	3004.5	315.0	306.0
BT		3031.9	315.0	310.0	3036.7	315.0	311.0	3041.5	315.1	312.0
BT		3074.7	315.5	314.0	3080.0	315.6	310.0	3238.5	317.6	310.0

BT		3350.0	320.0	320.0						
GR	330.0	1682.0	328.0	1750.0	326.0	1805.0	324.0	1860.0	322.0	1920.0
GR	320.0	1960.0	318.0	2020.0	316.0	2090.0	314.0	2170.0	312.0	2339.4
GR	312.0	2505.0	310.0	2508.9	308.0	2515.1	306.0	2519.3	304.0	2524.1
GR	302.0	2530.1	300.0	2533.9	298.0	2537.2	296.0	2540.2	294.0	2543.1
GR	292.0	2549.3	291.0	2584.8	291.0	2591.8	290.0	2668.2	290.0	2675.2
GR	290.0	2751.5	290.0	2758.5	290.0	2834.8	290.0	2841.8	291.0	2918.2
GR	291.0	2925.2	292.0	2934.7	294.0	2939.9	296.0	2954.4	296.0	2977.8
GR	296.0	2999.2	300.0	3001.9	306.0	3004.5	310.0	3031.9	311.0	3036.7
GR	312.0	3041.5	314.0	3074.7	310.0	3080.0	310.0	3180.0	310.0	3238.5
GR	320.0	3350.0	322.0	3415.0	324.0	3490.0	326.0	3590.0	328.0	3750.0
GR	328.0	3860.0	326.0	3970.0	324.0	4040.0	324.0	4210.0	326.0	4270.0
GR	328.0	4325.0	330.0	4380.0						
NC	0.03	0.03	0.04							
X1	243	58	2480.0	3001.9	65.0	65.0	65.0			
BT	-31	2339.4	312.0	312.0	2505.0	315.0	311.5	2584.8	315.0	311.5
BT		2584.8	315.0	291.0	2591.8	315.0	291.0	2591.8	315.0	311.5
BT		2668.2	315.0	311.5	2668.2	315.0	290.0	2675.2	315.0	290.0
BT		2675.2	315.0	311.5	2751.5	315.0	311.5	2751.5	315.0	290.0
BT		2758.5	315.0	290.0	2758.5	315.0	311.5	2834.8	315.0	311.5
BT		2834.8	315.0	290.0	2841.8	315.0	290.0	2841.8	315.0	311.5
BT		2918.2	315.0	311.5	2918.2	315.0	291.0	2925.2	315.0	291.0
BT		2925.2	315.0	311.5	3004.5	315.0	311.5	3004.5	315.0	306.0
BT		3031.9	315.0	310.0	3036.7	315.0	311.0	3041.5	315.1	312.0
BT		3074.7	315.5	314.0	3080.0	315.6	310.0	3238.5	317.6	310.0
BT		3350.0	320.0	320.0						
GR	330.0	1682.0	328.0	1750.0	326.0	1805.0	324.0	1860.0	322.0	1920.0
GR	320.0	1960.0	318.0	2020.0	316.0	2090.0	314.0	2170.0	312.0	2339.4
GR	313.0	2480.0	312.0	2505.0	310.0	2508.9	308.0	2515.1	306.0	2519.3
GR	304.0	2524.1	302.0	2530.1	300.0	2533.9	298.0	2537.2	296.0	2540.2
GR	294.0	2543.1	292.0	2549.3	291.0	2584.8	291.0	2591.8	290.0	2668.2
GR	290.0	2675.2	290.0	2751.5	290.0	2758.5	290.0	2834.8	290.0	2841.8
GR	291.0	2918.2	291.0	2925.2	292.0	2934.7	294.0	2939.9	296.0	2954.4
GR	296.0	2977.8	296.0	2999.2	300.0	3001.9	306.0	3004.5	310.0	3031.9
GR	311.0	3036.7	312.0	3041.5	314.0	3074.7	310.0	3080.0	310.0	3180.0
GR	310.0	3238.5	320.0	3350.0	322.0	3415.0	324.0	3490.0	326.0	3590.0
GR	328.0	3750.0	328.0	3860.0	326.0	3970.0	324.0	4040.0	324.0	4210.0
GR	326.0	4270.0	328.0	4325.0	330.0	4380.0				
NC	0.04	0.055	0.14	0.1	0.3					
X1	244	64	2550.5	3075.6	10	10	10			
X3						3685.0				
GR	330.0	1720.0	328.0	1730.0	326.0	1750.0	324.0	1765.0	322.0	1800.0
GR	320.0	1940.0	318.0	1980.0	316.0	2020.0	314.0	2050.0	312.0	2111.7
GR	310.0	2149.8	310.0	2157.7	310.0	2251.0	310.0	2267.6	312.0	2320.7
GR	314.0	2518.2	314.0	2535.4	312.0	2545.0	312.0	2546.4	310.0	2550.5
GR	308.0	2557.6	306.0	2562.4	304.0	2568.1	302.0	2573.4	300.0	2579.0
GR	298.0	2585.3	296.0	2593.3	294.0	2609.6	293.0	2637.6	293.0	2644.6
GR	292.0	2688.9	292.0	2721.0	292.0	2728.0	291.0	2804.3	291.0	2811.3
GR	291.0	2887.6	291.0	2894.6	290.0	2971.0	290.0	2978.0	290.0	3005.0
GR	292.0	3010.4	294.0	3039.7	296.0	3046.7	298.0	3051.9	300.0	3058.0
GR	310.0	3075.6	312.0	3078.7	316.0	3088.0	318.0	3283.0	320.0	3382.0
GR	310.0	3647.0	320.0	3685.0	328.0	3700.0	328.0	3800.0	328.0	3810.0

GR	326.0	3878.0	324.0	3883.0	322.0	3888.0	320.0	3945.0	318.0	4015.0
GR	316.0	4050.0	318.0	4125.0	320.0	4200.0	336.0	4520.0		
NC	0.04	0.055	0.14							
X1	245	55.0	928.4	1396.3	210.0	200.0	165.0			
GR	330.0	158.8	328.0	203.0	326.0	244.5	324.0	276.7	322.0	313.6
GR	320.0	380.0	318.0	410.8	316.0	447.3	314.0	493.0	312.0	535.8
GR	308.0	648.8	306.0	693.5	304.0	735.4	302.0	760.3	298.0	776.5
GR	296.0	786.2	294.0	816.6	292.0	928.4	290.0	1067.4	290.0	1374.2
GR	292.0	1396.3	294.0	1408.0	296.0	1451.6	298.0	1461.4	298.0	1492.8
GR	296.0	1508.5	296.0	1527.0	298.0	1536.0	300.0	1591.3	300.0	1591.9
GR	300.0	1612.0	302.0	1617.0	304.0	1625.9	306.0	1648.9	308.0	1670.8
GR	310.0	1676.4	310.0	1678.4	308.0	1692.3	306.0	1707.5	304.0	1734.3
GR	302.0	1771.4	302.0	1833.7	304.0	1856.0	306.0	1865.7	308.0	1878.7
GR	310.0	1886.9	312.0	1891.3	314.0	1927.9	316.0	1936.3	318.0	1942.1
GR	320.0	1950.0	330.0	1962.9	332.0	1971.6	332.0	2064.2	330.0	2076.3
NC	0	0	0	0.1	0.3					
NH	4	0.125	2050.0	.04	2550.8	0.14	2947.3	0.055	3701.7	
X1	250	52	2566.7	2740.6	705.0	790.0	740.0			
GR	330.0	1762.0	328.0	1791.0	326.0	1829.0	324.0	1887.0	322.0	1980.0
GR	320.0	2050.0	318.0	2153.8	316.0	2187.3	314.0	2194.5	312.0	2244.8
GR	310.0	2282.9	308.0	2358.3	306.0	2411.1	304.0	2450.5	302.0	2460.8
GR	300.0	2470.2	298.0	2478.8	296.0	2550.8	294.0	2566.7	294.0	2567.0
GR	292.0	2570.7	290.0	2677.6	290.0	2719.3	292.0	2733.9	294.0	2740.6
GR	294.0	2740.7	296.0	2760.8	296.0	2947.3	296.0	2972.9	294.0	3000.5
GR	294.0	3022.9	296.0	3054.0	298.0	3089.0	300.0	3130.4	300.0	3144.4
GR	298.0	3185.1	296.0	3192.7	296.0	3221.8	298.0	3249.3	296.0	3439.1
GR	298.0	3444.5	300.0	3452.9	302.0	3468.9	304.0	3495.0	306.0	3516.7
GR	308.0	3536.0	310.0	3542.2	320.0	3564.9	328.0	3580.4	330.0	3586.6
GR	330.0	3657.8	328.0	3701.7						
NH	5	0.125	2162.1	0.06	2323.9	0.14	2544.6	0.055	3145.9	0.125
NH	3432.0									
X1	260	50	2375.2	2544.6	1035.0	1020.0	1025.0			
GR	330.0	1180.0	325.0	1530.0	322.0	1660.0	320.0	1700.0	318.0	1850.0
GR	316.0	2025.0	314.0	2030.0	312.0	2162.1	312.0	2242.9	312.0	2273.9
GR	310.0	2323.9	308.0	2334.9	306.0	2346.8	304.0	2353.6	302.0	2368.8
GR	300.0	2375.2	298.0	2409.3	296.0	2425.8	294.0	2436.4	294.0	2436.7
GR	294.0	2480.1	294.0	2480.2	296.0	2491.6	298.0	2530.6	300.0	2544.6
GR	302.0	2601.0	302.0	2634.8	302.0	2684.7	302.0	2743.0	300.0	2774.6
GR	298.0	2795.7	298.0	2809.3	298.0	2825.2	298.0	2856.1	300.0	2866.4
GR	302.0	2905.5	304.0	2921.1	306.0	2962.3	308.0	2975.8	310.0	3014.6
GR	312.0	3039.4	314.0	3096.0	316.0	3124.5	318.0	3131.9	320.0	3140.0
GR	322.0	3142.8	324.0	3145.9	324.0	3266.1	324.0	3330.0	326.0	3432.0
QT	1	112000								
NH	5	0.125	2125.8	0.06	2393.6	0.14	2678.6	0.055	3249.6	0.125
NH	3555.0									
X1	270	44	2509.5	2678.6	985.0	930.0	965.0			
GR	330.0	1280.0	325.0	1480.0	320.0	1600.0	318.0	1669.0	316.0	1755.0
GR	314.0	1945.0	312.0	2125.8	310.0	2228.0	310.0	2393.6	308.0	2417.3
GR	306.0	2450.5	302.0	2477.3	300.0	2509.5	298.0	2526.5	298.0	2592.8
GR	300.0	2630.4	304.0	2678.6	304.0	2720.6	302.0	2739.0	300.0	2802.1

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GR   300.0   2883.1   300.0   2900.1   298.0   2906.1   298.0   2961.0   300.0   2970.1
GR   308.0   2994.6   310.0   3071.9   312.0   3096.3   314.0   3142.5   316.0   3164.8
GR   316.0   3178.8   316.0   3229.5   318.0   3233.8   320.0   3239.2   322.0   3249.6
GR   322.0   3347.9   320.0   3371.3   320.0   3373.7   320.0   3377.1   322.0   3435.0
GR   324.0   3544.0   326.0   3549.0   328.0   3551.0   330.0   3555.0

NH     5     0.125    388.0     0.06   548.0     0.14   1290.0    0.055  2038.0    0.125
NH  2380.0
X1   280       49     958.0   1060.0  1045.0   1030.0   1040.0
GR   328.0   118.0    326.0    195.0   324.0    255.0   322.0    310.0   320.0    388.0
GR   318.0   455.0    316.0    493.0   314.0    498.0   312.0    503.0   310.0    520.0
GR   308.0   548.0    306.0    950.0   306.0    958.0   300.0    977.0   300.0   1030.0
GR   302.0  1038.0    304.0   1043.0   306.0   1060.0   306.0   1242.0   304.0   1290.0
GR   304.0  1340.0    302.0   1370.0   304.0   1385.0   306.0   1408.0   306.0   1432.0
GR   304.0  1502.0    304.0   1570.0   306.0   1635.0   306.0   1665.0   304.0   1690.0
GR   302.0  1800.0    300.0   1830.0   300.0   1850.0   302.0   1855.0   304.0   1862.0
GR   306.0  1933.0    308.0   1995.0   310.0   2005.0   312.0   2010.0   314.0   2019.0
GR   316.0  2030.0    318.0   2038.0   318.0   2170.0   320.0   2211.0   322.0   2219.0
GR   324.0  2232.0    326.0   2300.0   328.0   2360.0   330.0   2380.0

NC    0.06    0.055    0.14
X1    285       51    706.6    792.2   665.0    680.0   670.0
GR   325.8     0.0    324.0    111.4   322.0    204.5   318.0    284.9   316.0    402.4
GR   314.0   406.6    312.0    564.3   308.0    625.5   306.0    706.6   304.0    713.6
GR   302.0   721.9    302.0    768.4   304.0    774.6   304.0    774.8   306.0    783.7
GR   310.0   792.2    310.0    820.3   306.0    831.0   304.0    909.5   306.0   1062.5
GR   306.0  1231.8    306.0   1288.1   308.0   1337.2   310.0   1352.2   312.0   1376.4
GR   312.0  1405.7    310.0   1409.6   308.0   1512.8   308.0   1601.1   308.0   1616.3
GR   306.0  1785.5    304.0   1816.6   304.0   1841.7   306.0   1982.3   308.0   1993.1
GR   310.0  2008.2    312.0   2039.8   314.0   2079.9   316.0   2135.9   318.0   2157.1
GR   320.0  2174.6    322.0   2204.7   324.0   2220.1   326.0   2227.3   328.0   2237.7
GR   330.0  2241.4    332.0   2247.8   334.0   2257.8   336.0   2266.8   338.0   2277.9
GR   340.0  2307.8

NC    0.04    0.055    0.14
X1    290       81   2655.1   2758.9   645.0    645.0   645.0
GR   330.0  1550.0    328.0   1610.0   326.0   1680.0   324.0   1757.0   322.0   1830.0
GR   320.0  1890.0    320.0   2050.0   318.0   2222.0   316.0   2230.2   316.0   2237.9
GR   318.0  2241.4    318.0   2290.7   316.0   2324.5   314.0   2341.2   312.0   2393.6
GR   312.0  2459.9    312.0   2477.7   310.0   2544.8   308.0   2655.1   306.0   2672.8
GR   304.0  2682.0    302.0   2691.9   302.0   2719.3   304.0   2741.6   304.0   2741.8
GR   306.0  2745.0    308.0   2747.9   310.0   2758.9   308.0   2834.0   308.0   2864.6
GR   310.0  2932.1    310.0   2951.1   310.0   2962.7   310.0   2968.0   308.0   3040.7
GR   308.0  3091.2    310.0   3099.7   310.0   3116.1   308.0   3135.0   308.0   3243.2
GR   310.0  3252.7    312.0   3259.7   314.0   3266.2   316.0   3270.9   318.0   3279.1
GR   320.0  3297.7    318.0   3309.3   316.0   3322.4   314.0   3334.8   312.0   3346.4
GR   310.0  3359.6    308.0   3411.2   306.0   3446.4   308.0   3646.0   310.0   3700.6
GR   314.0  3730.0    314.0   3744.6   312.0   3754.3   310.0   3798.3   308.0   3810.6
GR   310.0  4077.9    312.0   4133.1   314.0   4137.9   316.0   4157.2   318.0   4169.3
GR   320.0  4258.6    322.0   4307.3   324.0   4323.7   326.0   4340.8   328.0   4352.3
GR   330.0  4377.5    332.0   4385.1   334.0   4419.5   336.0   4492.5   338.0   4512.0
GR   340.0  4563.8    342.0   4650.1   344.0   4715.6   346.0   4746.7   348.0   4761.2
GR   348.0  4861.4
```

NH	5	0.125	2037.0	0.04	2536.2	0.14	2749.7	0.055	4600.0	0.125
NH	4970.0									
X1	300	80	2425.6	2708.7	655.0	670.0	660.0			
X3						4570.0				
GR	330.0	1520.0	328.0	1596.0	326.0	1600.0	324.0	1750.0	322.0	1759.0
GR	320.0	2037.0	318.0	2261.7	316.0	2362.4	314.0	2425.6	312.0	2536.2
GR	308.0	2597.1	306.0	2620.7	306.0	2648.3	308.0	2667.9	312.0	2686.7
GR	314.0	2708.7	314.0	2749.7	312.0	2772.3	310.0	2798.1	308.0	2823.3
GR	308.0	2917.1	308.0	2989.5	308.0	3029.4	308.0	3049.3	308.0	3090.7
GR	308.0	3096.6	310.0	3151.2	312.0	3254.8	312.0	3258.8	312.0	3289.5
GR	312.0	3415.7	314.0	3465.6	316.0	3469.2	318.0	3471.7	318.0	3481.0
GR	316.0	3491.1	314.0	3500.1	314.0	3528.6	316.0	3536.7	318.0	3545.1
GR	320.0	3548.4	322.0	3554.1	322.0	3569.0	320.0	3574.4	318.0	3584.7
GR	316.0	3594.2	314.0	3607.1	312.0	3618.5	312.0	3634.5	312.0	3736.6
GR	312.0	3852.4	312.0	3897.2	310.0	3904.3	308.0	3907.9	308.0	3966.7
GR	312.0	4002.1	314.0	4006.7	316.0	4010.8	318.0	4022.5	320.0	4028.6
GR	320.0	4053.6	320.0	4083.9	320.0	4114.5	320.0	4148.3	320.0	4199.1
GR	318.0	4210.5	316.0	4222.5	316.0	4260.1	318.0	4362.2	320.0	4437.5
GR	322.0	4445.4	324.0	4453.2	326.0	4461.8	326.0	4472.2	324.0	4481.0
GR	324.0	4600.0	324.0	4750.0	326.0	4875.0	328.0	4955.0	330.0	4970.0
NC	0.04	0.055	0.14							
	CONFLUENCE WITH SYCAMORE CREEK									
X1	310	60	2698.4	2822.3	620.0	600.0	610.0			
X3						4490.0				
GR	330.0	1530.0	328.0	1565.0	326.0	1682.0	324.0	2100.0	324.0	2102.5
GR	322.0	2202.8	320.0	2315.0	320.0	2355.0	318.0	2455.0	316.0	2580.0
GR	314.0	2698.4	312.0	2738.8	310.0	2752.5	308.0	2761.7	308.0	2773.1
GR	310.0	2793.7	312.0	2798.9	314.0	2811.2	316.0	2822.3	316.0	2833.7
GR	314.0	2843.4	312.0	2851.5	310.0	2944.2	310.0	2978.5	310.0	3016.0
GR	310.0	3032.5	312.0	3085.0	312.0	3099.4	312.0	3160.0	312.0	3297.0
GR	312.0	3324.1	312.0	3343.1	310.0	3422.3	310.0	3422.5	312.0	3462.6
GR	312.0	3549.5	312.0	3553.5	314.0	3569.6	312.0	3686.9	310.0	3695.8
GR	308.0	3710.0	308.0	4070.0	310.0	4130.0	312.0	4191.2	314.0	4198.4
GR	316.0	4207.2	318.0	4215.0	320.0	4234.2	318.0	4662.2	316.0	4670.3
GR	316.0	4679.2	318.0	4685.6	320.0	4801.6	320.0	4805.3	320.0	4906.2
GR	322.0	5240.0	324.0	5415.0	326.0	5650.0	328.0	6065.0	330.0	6240.0
NC	0.04	0.055	0.14							
	CONFLUENCE WITH FORRESTER CREEK									
X1	320	43	988.7	1300.0	665.0	840.0	750.0			
X3				180.8		2435.0				
GR	328.0	180.8	328.0	185.1	328.0	185.1	326.0	192.2	326.0	192.2
GR	324.0	205.3	322.0	220.2	322.0	224.7	320.0	234.1	318.0	251.7
GR	316.0	282.5	314.0	309.3	312.0	454.2	316.0	680.0	310.0	730.0
GR	318.0	765.0	318.0	968.3	316.0	988.	314.0	1009.1	312.0	1023.2
GR	310.0	1060.0	310.0	1115.0	312.0	1300.0	316.0	1477.9	314.0	1512.5
GR	314.0	1669.5	316.0	1785.6	316.0	1960.5	316.0	2203.0	316.0	2220.5
GR	318.0	2265.2	320.0	2274.9	322.0	2286.6	324.0	2288.4	326.0	2292.2
GR	326.0	2358.1	324.0	2396.8	324.0	2423.1	324.0	2449.8	324.0	2697.0
GR	326.0	2905.0	328.0	3290.0	330.0	3865.0				

QT	1.0	112000								
NH	4	0.03	699.6	0.125	1278.5	0.06	2264.8	0.125	2667.4	
X1	330	52	1760.0	1917.0	870.0	700.0	780.0			
X3				105.6						
GR	328.0	105.6	326.0	212.4	326.0	248.3	328.0	289.1	328.0	289.1
GR	328.0	336.2	326.0	339.6	324.0	358.2	322.0	490.2	320.0	585.0
GR	318.0	622.0	316.0	629.0	314.0	636.0	312.0	640.0	312.0	679.0
GR	314.0	682.1	316.0	686.2	318.0	689.7	320.0	693.1	322.0	699.6
GR	324.0	990.1	326.0	1003.5	328.0	1176.8	330.0	1185.3	330.0	1278.5
GR	328.0	1292.7	326.0	1316.0	324.0	1326.0	322.0	1332.0	320.0	1340.0
GR	318.0	1347.0	316.0	1352.0	314.0	1393.0	314.0	1760.0	312.0	1770.0
GR	312.0	1910.0	314.0	1917.0	316.0	1925.3	316.0	1929.3	314.0	2113.3
GR	316.0	2239.8	318.0	2264.8	320.0	2271.8	322.0	2278.2	324.0	2283.0
GR	326.0	2310.9	328.0	2319.4	330.0	2480.0	328.0	2492.6	328.0	2590.5
GR	330.0	2632.1	332.0	2667.4						
NH	4	0.03	454.2	0.125	1221.3	0.06	2260.3	0.125	2579.9	
X1	340	58.0	1410.0	1843.2	520.0	505.0	505.0			
X3				129.4						
GR	326.0	129.4	326.0	194.9	324.0	207.9	322.0	368.5	320.0	374.7
GR	318.0	387.3	316.0	393.1	320.0	454.2	322.0	461.0	324.0	466.8
GR	326.0	493.4	326.0	583.0	326.0	668.9	326.0	685.7	326.0	728.0
GR	326.0	794.9	326.0	831.2	326.0	1049.6	326.0	1089.2	328.0	1122.7
GR	328.0	1171.1	326.0	1192.0	324.0	1221.3	322.0	1226.0	320.0	1233.0
GR	318.0	1245.0	316.0	1250.0	316.0	1391.0	318.0	1399.0	320.0	1410.0
GR	318.0	1433.0	316.0	1440.0	314.0	1450.0	312.0	1513.0	310.0	1528.0
GR	310.0	1548.0	310.0	1670.0	312.0	1690.0	314.0	1695.0	316.0	1705.0
GR	318.0	1843.2	318.0	1890.7	316.0	1903.5	314.0	1909.3	316.0	2190.0
GR	318.0	2199.2	320.0	2211.0	322.0	2219.6	324.0	2228.2	328.0	2260.3
GR	326.0	2261.5	330.0	2307.8	332.0	2363.1	332.0	2452.5	332.0	2466.5
GR	332.0	2507.3	332.0	2524.9	334.0	2579.9				
NH	4	0.03	453.5	0.125	1148.5	0.06	2567.8	0.125	2808.6	
X1	345	71.0	1509.8	1995.5	320.0	250.0	280.0			
X3				121.6						
GR	328.0	121.6	328.0	195.4	328.0	197.1	328.0	205.9	326.0	217.1
GR	324.0	302.0	324.0	332.2	326.0	361.0	326.0	372.0	324.0	378.0
GR	322.0	383.8	320.0	391.6	320.0	438.3	322.0	442.1	324.0	445.2
GR	326.0	446.6	328.0	453.5	328.0	582.7	328.0	587.1	328.0	619.2
GR	328.0	630.9	328.0	855.7	326.0	989.7	326.0	1086.9	326.0	1148.5
GR	324.0	1188.9	322.0	1212.2	320.0	1312.0	318.0	1318.0	316.0	1330.0
GR	316.0	1445.0	318.0	1452.0	320.0	1490.1	322.0	1497.6	322.0	1509.8
GR	320.0	1515.6	316.0	1530.7	314.0	1582.0	314.0	1668.0	312.0	1783.0
GR	312.0	1834.0	314.0	1841.0	316.0	1851.0	318.0	1860.0	318.0	1934.1
GR	318.0	1966.8	320.0	1976.4	322.0	1986.7	324.0	1995.5	324.0	2065.9
GR	322.0	2086.6	320.0	2101.4	318.0	2107.1	316.0	2111.7	318.0	2265.9
GR	320.0	2279.5	320.0	2339.1	318.0	2355.0	318.0	2362.5	320.0	2373.9
GR	322.0	2384.1	324.0	2391.7	326.0	2422.8	328.0	2436.8	330.0	2448.2
GR	332.0	2567.8	332.0	2583.1	332.0	2692.6	334.0	2726.2	336.0	2767.6
GR	338.0	2808.6								

NH	4	0.03	673.5	0.125	1275.4	0.06	2681.1	0.125	3105.5	
NC				0.3	0.5					
X1	355	44.0	1731.4	2253.8	275.0	295.0	285.0			
X3				132.4						
GR	328.0	132.4	328.0	151.4	322.0	174.5	328.0	407.0	330.0	527.2
GR	330.0	673.5	328.0	955.5	326.0	1275.4	324.0	1336.9	322.0	1491.7
GR	320.0	1530.6	320.0	1695.0	322.0	1702.4	322.0	1731.4	320.0	1735.2
GR	318.0	1738.1	316.0	1830.0	316.0	2035.0	314.0	2044.0	314.0	2075.0
GR	316.0	2088.0	318.0	2121.1	318.0	2175.9	318.0	2233.6	320.0	2240.9
GR	322.0	2253.8	322.0	2286.8	320.0	2302.5	318.0	2305.5	318.0	2416.9
GR	320.0	2429.4	322.0	2486.5	322.0	2527.9	320.0	2572.0	320.0	2633.9
GR	322.0	2656.8	324.0	2681.1	326.0	2773.1	328.0	2858.1	330.0	2956.9
GR	330.0	2974.1	332.0	2988.9	334.0	3095.7	334.0	3105.5		
NH	4	0.04	521.0	0.100	1300.0	0.045	2756.9	0.100	3069.9	
X1	356	53	1836.0	2258.2	250.0	250.0	250.0			
X3	10			270.0						
GR	330.0	270.0	328.0	521.0	326.0	767.7	326.0	773.5	326.0	795.9
GR	326.0	805.9	326.0	961.7	324.0	1053.5	324.0	1110.4	324.0	1123.6
GR	324.0	1300.0	324.0	1496.7	326.0	1678.4	326.0	1787.6	324.0	1794.7
GR	322.0	1813.4	320.0	1822.3	318.0	1829.3	316.0	1836.0	316.0	1864.3
GR	317.0	1871.3	318.0	1906.3	318.0	1913.3	318.0	1946.8	318.0	1956.8
GR	318.0	1990.3	318.0	1997.3	318.0	2032.3	318.0	2039.3	318.0	2074.3
GR	318.0	2081.3	316.0	2110.0	318.0	2114.8	318.0	2121.0	318.0	2124.8
GR	318.0	2158.3	318.0	2165.3	318.0	2200.3	318.0	2207.3	318.0	2242.3
GR	319.0	2249.3	320.0	2258.2	322.0	2267.5	324.0	2277.0	326.0	2278.4
GR	328.0	2284.1	328.0	2342.9	326.0	2455.2	326.0	2673.1	328.0	2756.9
GR	330.0	2870.0	332.0	3004.7	334.0	3069.9				
NH	3	0.04	1678.4	0.045	2278.4	0.04	3110.0			
SB	0.9	1.6	2.75	0	450.0	77.0	3112.0	2	318.0	318.0
	CARLTON HILLS BLVD BRIDGE			(SPECIAL BRIDGE ROUTINE)						
X1	358	45	1850.0	2278.4	65.0	65.0	65.0			
X2	0	0	1	326.0	324.0	0	0	0	0	0
X3	10			400.0						
BT	-15	400.0	328.0	328.0	840.0	326.0	326.0	1090.0	324.0	324.0
BT		1496.7	324.0	324.0	1678.4	327.0	326.0	1787.6	328.9	326.0
BT		2278.4	329.0	326.0	2284.1	328.9	328.0	2342.9	328.0	328.0
BT		2490.0	326.0	326.0	2640.1	326.0	326.0	2756.9	328.0	328.0
BT		2870.0	330.0	330.0	3030.0	332.0	332.0	3110.0	334.0	334.0
GR	328.0	400.0	326.0	840.0	324.0	1090.0	324.0	1496.7	326.0	1678.4
GR	326.0	1787.6	324.0	1794.7	322.0	1813.4	320.0	1822.3	318.0	1829.3
GR	316.0	1850.0	316.0	1864.3	317.0	1871.3	318.0	1906.3	318.0	1913.3
GR	318.0	1946.8	318.0	1956.8	318.0	1990.3	318.0	1997.3	318.0	2032.3
GR	318.0	2039.3	318.0	2074.3	318.0	2081.3	316.0	2110.0	318.0	2114.8
GR	318.0	2121.0	318.0	2124.8	318.0	2158.3	318.0	2165.3	318.0	2200.3
GR	318.0	2207.3	318.0	2242.3	319.0	2249.3	320.0	2258.2	322.0	2267.5
GR	324.0	2277.0	326.0	2278.4	328.0	2284.1	328.0	2342.9	326.0	2490.0
GR	326.0	2640.0	328.0	2756.9	330.0	2870.0	332.0	3030.0	334.0	3110.0

NH	4	0.03	800.0	0.100	1544.0	0.06	2624.0	0.100	3190.3	
X1	360	36	2187.0	2382.9	335.0	355.0	345.0			
X3				275.8						
GR	330.0	275.8	328.0	424.1	327.0	800.0	326.0	1248.3	326.0	1356.6
GR	326.0	1544.0	324.0	1558.2	322.0	1570.1	320.0	1575.0	318.0	1879.0
GR	318.0	1920.0	316.0	1933.3	316.0	2012.0	320.0	2112.8	320.0	2187.0
GR	318.0	2200.0	318.0	2356.8	320.0	2382.9	322.0	2395.5	324.0	2406.1
GR	326.0	2412.3	328.0	2438.3	328.0	2460.9	326.0	2525.5	324.0	2540.0
GR	322.0	2549.1	322.0	2624.0	324.0	2726.5	326.0	2779.5	328.0	2795.5
GR	330.0	2805.8	332.0	2819.3	334.0	2827.7	336.0	2891.8	338.0	3130.9
GR	340.0	3190.3								
NH	4	0.03	1077.6	0.085	1388.8	0.06	2889.0	0.100	3266.0	
X1	370	44.0	2234.1	2326.4	345.0	350.0	345.0			
X3				149.4						
GR	330.0	149.4	328.0	349.9	328.0	355.0	328.0	360.9	328.0	514.3
GR	328.0	816.5	326.0	846.9	324.0	870.6	322.0	913.9	322.0	984.9
GR	324.0	1004.3	326.0	1014.1	326.0	1049.3	326.0	1077.6	326.0	1245.4
GR	326.0	1248.2	326.0	1279.9	326.0	1282.3	326.0	1388.8	324.0	1421.2
GR	320.0	1541.9	320.0	1573.2	320.0	1590.2	318.0	1630.0	318.0	1725.0
GR	320.0	1835.0	320.0	2154.6	320.0	2203.7	320.0	2234.1	318.0	2243.0
GR	318.0	2313.0	320.0	2326.4	322.0	2340.6	322.0	2387.8	322.0	2642.0
GR	324.0	2740.0	326.0	2768.0	328.0	2805.0	330.0	2812.0	332.0	2821.0
GR	334.0	2889.0	336.0	3030.0	338.0	3135.0	340.0	3266.0		
NH	4	0.035	1214.1	0.100	1545.8	0.06	3048.8	0.100	3413.7	
X1	380	60	2380.9	2436.4	320.0	320.0	320.0			
X3				0.0						
GR	335.0	0.0	334.0	95.0	332.0	395.4	330.0	414.4	330.0	476.9
GR	330.0	528.2	330.0	778.2	330.0	880.6	328.0	894.6	326.0	927.8
GR	324.0	975.1	324.0	1076.0	326.0	1107.4	328.0	1122.8	330.0	1165.2
GR	330.0	1214.1	330.0	1487.9	330.0	1533.6	328.0	1545.8	326.0	1553.1
GR	324.0	1557.9	322.0	1566.1	320.0	1758.3	318.0	1764.9	318.0	1792.8
GR	320.0	1806.1	320.0	1859.6	320.0	1872.8	320.0	1931.1	320.0	1967.5
GR	322.0	2063.7	324.0	2067.2	326.0	2082.5	328.0	2095.9	328.0	2156.1
GR	326.0	2164.9	324.0	2175.2	322.0	2185.4	320.0	2198.5	320.0	2262.3
GR	320.0	2380.9	318.0	2387.6	318.0	2425.8	318.0	2426.4	318.0	2426.7
GR	320.0	2436.4	322.0	2457.0	322.0	2585.1	322.0	2817.3	324.0	2918.0
GR	326.0	2943.0	328.0	2954.1	330.0	2962.7	332.0	2970.9	334.0	3048.8
GR	334.0	3201.4	334.0	3225.7	334.0	3250.0	334.0	3273.6	342.0	3413.7
NH	4	0.035	1000.0	0.100	1540.0	0.06	3110.0	0.100	3490.0	
X1	390	45.0	2250.0	2402.0	520.0	520.0	520.0			
X3				100.0						
GR	336.0	100.0	336.0	273.0	336.0	510.0	336.0	800.0	334.0	810.0
GR	332.0	890.0	330.0	1000.0	332.0	1270.0	332.0	1540.0	330.0	1552.0
GR	328.0	1562.0	326.0	1590.0	324.0	1603.0	322.0	1661.0	322.0	1728.0
GR	322.0	1775.0	320.0	1781.0	318.0	1822.0	318.0	1859.0	320.0	1862.0
GR	322.0	1908.0	322.0	2195.0	324.0	2220.0	324.0	2250.0	322.0	2315.0
GR	320.0	2327.0	318.0	2337.0	318.0	2380.0	320.0	2389.0	322.0	2396.0
GR	324.0	2402.0	324.0	2780.0	322.0	2795.0	322.0	2982.0	324.0	3008.0
GR	326.0	3019.0	328.0	3025.0	330.0	3035.0	332.0	3042.0	334.0	3049.0
GR	336.0	3060.0	338.0	3110.0	336.0	3278.0	336.0	3480.0	340.0	3490.0

NC	0.04	0.04	0.075							
	DOWNSTREAM END MISSION CREEK DEVELOPMENT									
X1	400	41	1877.6	2531.6	705.0	495.0	540.0			
X3				0.0						
GR	338.0	0.0	336.0	236.4	334.0	957.0	332.0	972.3	332.0	1180.4
GR	332.0	1508.0	330.0	1641.2	328.0	1671.9	326.0	1712.6	324.0	1759.2
GR	324.0	1792.6	326.0	1801.2	328.0	1806.5	328.0	1836.3	326.0	1845.9
GR	324.0	1857.9	322.0	1870.4	320.0	1877.6	318.0	1888.9	318.0	2400.6
GR	320.0	2531.6	322.0	2547.9	324.0	2556.9	326.0	2565.0	328.0	2575.5
GR	330.0	2587.7	333.0	2630.0	331.0	2680.0	333.0	2820.0	325.0	2925.0
GR	324.0	3153.7	326.0	3185.0	328.0	3195.3	330.0	3323.2	332.0	3352.4
GR	334.0	3366.1	336.0	3386.9	338.0	3409.9	340.0	3428.3	342.0	3444.8
GR	344.0	3506.3								
NH	4	0.125	2329.0	0.04	3065.3	0.065	3645.9	0.04	5376.7	
X1	410	46	3065.3	3645.9	672.0	726.0	700.0			
X3				930.0						
GR	340.0	930.0	338.0	1205.0	336.0	1335.0	336.0	1760.0	336.0	2329.0
GR	336.0	2523.4	336.0	2540.8	334.0	2618.2	332.0	2807.8	332.0	2898.9
GR	332.0	2943.8	330.0	3015.9	328.0	3024.1	326.0	3034.7	324.0	3043.6
GR	322.0	3053.5	320.0	3065.3	318.0	3081.7	318.0	3558.9	320.0	3645.9
GR	322.0	3656.9	324.0	3667.7	326.0	3675.2	328.0	3684.9	330.0	3699.4
GR	332.0	3715.9	333.0	3755.0	334.0	3860.0	333.0	4020.0	333.0	4120.0
GR	334.0	4170.0	335.0	4230.0	333.0	4300.0	336.0	4380.0	335.0	4510.0
GR	333.0	4760.0	334.0	4840.0	333.0	4900.0	337.0	5000.0	337.0	5080.0
GR	336.0	5120.0	338.0	5170.0	338.0	5260.0	338.0	5269.2	340.0	5281.8
GR	340.0	5376.7								
NH	4	0.125	2616.7	0.04	3252.3	0.065	3865.0	0.04	5263.5	
X1	415	40	3252.3	3865.0	765.0	800.0	780.0			
X3				940.0						
GR	340.0	940.0	338.0	1132.0	338.0	1245.0	336.0	1772.0	336.0	2616.7
GR	338.0	2647.1	338.0	2816.3	336.0	2850.7	334.0	2899.9	332.0	3198.5
GR	330.0	3207.0	328.0	3214.0	326.0	3221.8	324.0	3232.7	322.0	3244.9
GR	320.0	3252.3	318.0	3270.4	318.0	3533.8	320.0	3538.4	320.0	3567.0
GR	318.0	3578.2	318.0	3739.3	320.0	3865.0	322.0	3882.3	324.0	3895.0
GR	326.0	3908.4	328.0	3915.9	330.0	3937.1	332.0	3945.0	331.0	4320.0
GR	335.0	4330.0	334.0	4435.0	334.0	4575.0	335.0	4715.0	333.0	4930.0
GR	334.0	5080.0	334.0	5130.0	338.0	5160.0	340.0	5183.8	340.0	5263.5
NH	4	0.125	2200.0	0.04	3467.1	0.075	3988.9	0.04	5306.6	
X1	420	54	3467.1	3988.9	480.0	480.0	480.0			
X3				1100.0						
GR	340.0	1100.0	338.0	1210.0	338.0	1695.0	338.0	2200.0	338.0	2595.0
GR	340.0	2628.1	342.0	2709.7	342.0	2717.4	340.0	2781.4	338.0	2791.8
GR	336.0	2796.5	336.0	3236.7	338.0	3240.6	340.0	3248.5	342.0	3378.9
GR	342.0	3387.0	340.0	3392.3	338.0	3397.4	336.0	3401.5	334.0	3407.4
GR	332.0	3414.4	330.0	3420.1	328.0	3428.7	326.0	3435.2	324.0	3445.0
GR	322.0	3454.6	320.0	3467.1	318.0	3492.9	318.0	3634.8	320.0	3642.3
GR	322.0	3651.5	322.0	3741.8	320.0	3758.6	318.0	3766.4	318.0	3891.7
GR	320.0	3988.9	322.0	4008.9	324.0	4018.8	326.0	4031.9	328.0	4038.0
GR	330.0	4049.3	332.0	4057.5	333.0	4075.0	334.0	4205.0	334.0	4285.0
GR	334.0	4340.0	334.0	4445.0	335.0	4610.0	335.0	4720.0	335.0	4880.0

GR	336.0	5005.0	336.0	5075.0	340.0	5090.0	342.0	5306.6		
NC	0.04	0.04	0.05							
X1	421	64	2650.0	3049.1	375.0	375.0	375.0			
X3				100.0		4120.0				
GR	340.0	100.0	340.0	302.7	340.0	591.8	340.0	719.1	340.0	1070.0
GR	340.0	1093.6	340.0	1099.7	340.0	1139.2	340.0	1478.6	340.0	1590.3
GR	340.0	1920.7	342.0	2207.1	344.0	2445.7	344.0	2588.2	342.0	2593.0
GR	340.0	2600.3	338.0	2606.1	336.0	2609.4	334.0	2614.9	332.0	2617.7
GR	330.0	2624.7	328.0	2627.8	326.0	2640.4	325.0	2650.0	325.0	2666.7
GR	324.0	2680.6	324.0	2701.7	324.0	2708.7	324.0	2742.2	324.0	2752.2
GR	324.0	2785.7	324.0	2792.7	324.0	2827.7	324.0	2834.7	324.0	2869.7
GR	324.0	2876.7	324.0	2910.2	324.0	2920.2	324.0	2953.7	324.0	2960.7
GR	324.0	2995.7	324.0	3002.7	324.0	3024.8	325.0	3037.7	326.0	3044.7
GR	328.0	3049.1	330.0	3052.6	332.0	3056.2	334.0	3058.6	336.0	3062.2
GR	338.0	3073.0	340.0	3081.4	342.0	3085.6	344.0	3153.8	344.0	3220.9
GR	342.0	3349.9	340.0	3643.4	339.0	3825.0	339.0	3866.7	340.0	4418.3
GR	342.0	4554.5	344.0	4615.8	346.0	4685.8	348.0	4726.0		
NC	0.04	0.04	0.03	0.3	0.5					
	CUYAMACA BRIDGE - UPSTREAM END MISSION CREEK DEVELOPMENT									
	(NORMAL BRIDGE ROUTINE)									
X1	422	56	2645.0	3044.7	10.0	10.0	10.0			
X3				600.0		4130.0				
BT	-53	2445.7	344.0	344.0	2588.2	344.9	344.0	2593.0	345.0	342.0
BT		2600.3	345.0	342.0	2617.7	345.0	342.0	2617.7	345.0	332.0
BT		2624.7	345.0	330.0	2624.7	345.0	342.0	2659.7	345.0	342.0
BT		2659.7	345.0	325.0	2666.7	345.0	325.0	2666.7	345.0	342.0
BT		2701.7	345.0	342.0	2701.7	345.0	324.0	2708.7	345.0	324.0
BT		2708.7	345.0	342.0	2742.2	345.0	342.0	2742.2	345.0	324.0
BT		2752.2	345.0	324.0	2752.2	345.0	342.0	2785.7	345.0	342.0
BT		2785.7	345.0	324.0	2792.7	345.0	324.0	2792.7	345.0	342.0
BT		2827.7	345.0	342.0	2827.7	345.0	324.0	2834.7	345.0	324.0
BT		2834.7	345.0	342.0	2869.7	345.0	342.0	2869.7	345.0	324.0
BT		2876.7	345.0	324.0	2876.7	345.0	342.0	2910.2	345.0	342.0
BT		2910.2	345.0	324.0	2920.2	345.0	324.0	2920.2	345.0	342.0
BT		2953.7	345.0	342.0	2953.7	345.0	324.0	2960.7	345.0	324.0
BT		2960.7	345.0	342.0	2995.7	345.0	342.0	2995.7	345.0	324.0
BT		3002.7	345.0	324.0	3002.7	345.0	342.0	3037.7	345.0	342.0
BT		3037.7	345.0	325.0	3044.7	345.0	326.0	3044.7	345.0	342.0
BT		3073.0	345.0	342.0	3081.4	344.9	342.0	3085.6	344.9	342.0
BT		3153.8	344.5	344.0	3220.9	344.0	344.0			
GR	340.0	0.0	340.0	1995.0	342.0	2250.0	344.0	2445.7	344.0	2588.2
GR	342.0	2593.0	340.0	2600.3	338.0	2606.1	336.0	2609.4	334.0	2614.9
GR	332.0	2617.7	330.0	2624.7	328.0	2627.8	326.0	2645.0	325.0	2659.7
GR	325.0	2666.7	324.0	2680.6	324.0	2701.7	324.0	2708.7	324.0	2742.2
GR	324.0	2752.2	324.0	2785.7	324.0	2792.7	324.0	2827.7	324.0	2834.7
GR	324.0	2869.7	324.0	2876.7	324.0	2910.2	324.0	2920.2	324.0	2953.7
GR	324.0	2960.7	324.0	2995.7	324.0	3002.7	324.0	3024.8	325.0	3037.7
GR	326.0	3044.7	328.0	3049.1	330.0	3052.6	332.0	3056.2	334.0	3058.6
GR	336.0	3062.2	338.0	3073.0	340.0	3081.4	342.0	3085.6	344.0	3153.8
GR	344.0	3220.9	342.0	3349.9	340.0	3650.0	339.0	4000.0	340.0	4200.0
GR	342.0	4440.0	344.0	4600.0	346.0	4675.0	348.0	4726.0	350.0	4765.0
GR	360.0	4940.0								

NC	0.04	0.04	0.03							
X1	423	61	4645.0	5044.7	65.0	65.0	65.0			
X3				2530.0		6150.0				
BT	-53	4445.7	344.0	344.0	4588.2	344.9	344.0	4593.0	345.0	342.0
BT		4600.3	345.0	342.0	4617.7	345.0	342.0	4617.7	345.0	332.0
BT		4624.7	345.0	330.0	4624.7	345.0	342.0	4659.7	345.0	342.0
BT		4659.7	345.0	325.0	4666.7	345.0	325.0	4666.7	345.0	342.0
BT		4701.7	345.0	342.0	4701.7	345.0	324.0	4708.7	345.0	324.0
BT		4708.7	345.0	342.0	4742.2	345.0	342.0	4742.2	345.0	324.0
BT		4752.2	345.0	324.0	4752.2	345.0	342.0	4785.7	345.0	342.0
BT		4785.7	345.0	324.0	4792.7	345.0	324.0	4792.7	345.0	342.0
BT		4827.7	345.0	342.0	4827.7	345.0	324.0	4834.7	345.0	324.0
BT		4834.7	345.0	342.0	4869.7	345.0	342.0	4869.7	345.0	324.0
BT		4876.7	345.0	324.0	4876.7	345.0	342.0	4910.2	345.0	342.0
BT		4910.2	345.0	324.0	4920.2	345.0	324.0	4920.2	345.0	342.0
BT		4953.7	345.0	342.0	4953.7	345.0	324.0	4960.7	345.0	324.0
BT		4960.7	345.0	342.0	4995.7	345.0	342.0	4995.7	345.0	324.0
BT		5002.7	345.0	324.0	5002.7	345.0	342.0	5037.7	345.0	342.0
BT		5037.7	345.0	325.0	5044.7	345.0	326.0	5044.7	345.0	342.0
BT		5073.0	345.0	342.0	5081.4	344.9	342.0	5085.6	344.9	342.0
BT		5153.8	344.5	344.0	5220.9	344.0	344.0			
GR	350.0	600.0	348.0	780.0	346.0	1090.0	344.0	1300.0	342.0	1545.0
GR	340.0	1790.0	340.0	3995.0	342.0	4250.0	344.0	4445.7	344.0	4588.2
GR	342.0	4593.0	340.0	4600.3	338.0	4606.1	336.0	4609.4	334.0	4614.9
GR	332.0	4617.7	330.0	4624.7	328.0	4627.8	326.0	4645.0	325.0	4659.7
GR	325.0	4666.7	324.0	4680.6	324.0	4701.7	324.0	4708.7	324.0	4742.2
GR	324.0	4752.2	324.0	4785.7	324.0	4792.7	324.0	4827.7	324.0	4834.7
GR	324.0	4869.7	324.0	4876.7	324.0	4910.2	324.0	4920.2	324.0	4953.7
GR	324.0	4960.7	324.0	4995.7	324.0	5002.7	324.0	5024.8	325.0	5037.7
GR	326.0	5044.7	328.0	5049.1	330.0	5052.6	332.0	5056.2	334.0	5058.6
GR	336.0	5062.2	338.0	5073.0	340.0	5081.4	342.0	5085.6	344.0	5153.8
GR	344.0	5220.9	342.0	5349.9	340.0	5650.0	339.0	6000.0	340.0	6200.0
GR	342.0	6440.0	344.0	6600.0	346.0	6675.0	348.0	6726.0	350.0	6765.0
GR	360.0	6940.0								
NH	4	0.125	2035.0	0.04	4613.8	0.05	5104.2	0.04	6952.0	
X1	424	69	4658.9	5055.0	10.0	10.0	10.0			
X3				2510.0		6160.0				
GR	350.0	580.0	348.0	750.0	348.0	1080.0	346.0	1150.0	346.0	1370.0
GR	344.0	1575.0	342.0	1580.0	342.0	1800.0	340.0	2035.0	340.0	2132.2
GR	340.0	2145.0	340.0	2380.5	340.0	3990.8	342.0	4119.1	344.0	4360.6
GR	344.0	4609.4	342.0	4613.8	340.0	4620.1	338.0	4624.0	336.0	4628.1
GR	334.0	4631.9	332.0	4638.5	331.0	4643.2	329.0	4650.2	328.0	4654.6
GR	326.0	4658.9	326.0	4685.2	326.0	4692.2	326.0	4727.2	326.0	4734.2
GR	326.0	4767.7	326.0	4777.7	326.0	4811.2	326.0	4818.2	326.0	4853.2
GR	326.0	4860.2	326.0	4895.2	326.0	4902.2	326.0	4935.7	326.0	4945.7
GR	326.0	4979.2	326.0	4986.2	326.0	5021.2	326.0	5028.2	326.0	5055.0
GR	327.0	5063.2	328.0	5070.2	330.0	5075.7	332.0	5080.9	334.0	5082.8
GR	336.0	5089.5	338.0	5094.7	340.0	5097.0	342.0	5104.2	344.0	5110.0
GR	344.0	5259.8	342.0	5451.8	340.0	5618.0	340.0	5725.4	339.0	5804.5
GR	339.0	5968.7	340.0	6027.7	340.0	6173.6	342.0	6449.1	344.0	6595.1
GR	346.0	6870.0	348.0	6910.0	350.0	6930.0	358.0	6952.0		

NH	4	0.125	2041.0	0.045	4805.9	0.075	5113.2	0.045	6961.0	
X1	425	39	4805.9	5113.2	285.0	215.0	225.0			
X3				2185.0		5380.0				
GR	350.0	1185.0	348.0	1262.0	346.0	1390.0	344.0	1890.0	342.0	2041.0
GR	340.0	2142.0	338.0	2150.0	335.9	3406.5	334.0	3428.9	334.0	3510.7
GR	335.9	3568.7	338.0	3680.0	338.0	4166.4	338.0	4189.8	338.0	4366.3
GR	336.0	4371.5	334.0	4381.6	332.0	4456.4	330.0	4626.7	328.0	4805.9
GR	326.0	4838.8	326.0	4902.3	326.0	4999.7	326.0	5043.9	328.0	5113.2
GR	330.0	5344.6	332.0	5451.5	334.0	5583.1	334.0	5617.4	334.0	5729.9
GR	336.0	6044.3	338.0	6089.0	340.0	6181.4	342.0	6428.1	344.0	6890.0
GR	346.0	6935.0	348.0	6942.0	350.0	6948.0	356.8	6961.0		
NC	0	0	0	0.1	0.3					
NH	4	0.125	2555.0	0.045	5520.6	0.075	5704.9	0.045	7548.0	
X1	430	37	5520.6	5704.9	495.0	465.0	470.0			
X3				2250.0		6820.0				
GR	350.0	1340.0	346.0	1807.0	346.0	2122.0	344.0	2253.0	344.0	2412.0
GR	342.0	2555.0	340.0	2657.0	338.0	3921.0	336.0	3959.0	336.0	4058.5
GR	336.0	4473.2	336.0	4516.0	338.0	4556.7	338.0	4811.0	336.0	4905.8
GR	336.0	5036.3	336.0	5322.7	334.0	5369.8	332.0	5505.1	330.0	5511.1
GR	328.0	5520.6	326.0	5536.0	326.0	5665.0	328.0	5704.9	330.0	5717.6
GR	330.0	5849.9	330.0	6295.6	332.0	6315.9	334.0	6349.1	336.0	6378.4
GR	338.0	6557.5	340.0	6787.6	342.0	7019.6	344.0	7440.0	346.0	7530.0
GR	348.0	7540.0	350.0	7548.0						
QT	1.0	108000								
NH	4	0.125	2030.0	0.045	5118.7	0.075	5291.8	0.045	6650.0	
X1	440	52	5118.7	5291.8	535.0	550.0	545.0			
X3				2000.0						
GR	350.0	1080.0	346.0	1445.0	348.0	1459.0	348.0	1550.0	346.0	1675.0
GR	344.0	2030.0	342.0	2150.0	340.0	3430.3	338.0	3456.9	336.0	3631.7
GR	336.0	3663.2	338.0	3687.3	340.0	3714.2	340.0	4208.8	338.0	4388.9
GR	338.0	4524.7	338.0	4718.6	336.0	4725.0	330.0	5052.0	330.0	5084.9
GR	334.0	5107.3	332.0	5113.6	330.0	5118.7	328.0	5127.5	328.0	5264.0
GR	330.0	5291.8	332.0	5305.1	334.0	5311.0	336.0	5334.8	336.0	5369.0
GR	336.0	5422.4	338.0	5442.9	340.0	5522.5	340.0	5563.3	338.0	5749.0
GR	338.0	5763.4	338.0	5848.7	338.0	5939.2	338.0	6011.5	336.0	6039.2
GR	334.0	6050.3	332.0	6058.1	332.0	6066.5	334.0	6091.4	336.0	6112.2
GR	338.0	6120.5	340.0	6132.0	342.0	6409.4	344.0	6585.0	346.0	6618.2
GR	348.0	6637.6	350.0	6650.0						
NH	4	0.125	2072.0	0.055	4864.8	0.03	5377.9	0.055	6949.6	
X1	450	49	4864.8	5377.9	575.0	545.0	530.0			
X3				2170.0						
GR	350.0	1240.0	348.0	1440.0	350.0	1520.0	338.0	1585.0	338.0	1743.0
GR	336.0	1937.0	344.0	2072.0	344.0	2130.0	344.0	2155.0	342.0	2165.0
GR	342.0	2872.7	342.0	3360.1	340.0	3445.5	340.0	3579.3	340.0	3711.6
GR	338.0	3740.8	336.0	3747.9	336.0	3753.9	338.0	3789.5	340.0	3843.7
GR	342.0	4093.9	342.0	4177.2	340.0	4218.7	338.0	4487.1	336.0	4498.4
GR	334.0	4510.9	332.0	4641.3	332.0	4651.7	334.0	4820.3	336.0	4836.0
GR	336.0	4854.3	334.0	4857.6	332.0	4862.0	330.0	4864.8	328.0	4871.7
GR	328.0	5369.9	330.0	5377.9	340.0	5397.3	340.0	5957.7	340.0	6045.4
GR	342.0	6101.1	342.0	6215.9	340.0	6230.0	340.0	6278.0	342.0	6293.1

GR	344.0	6493.9	346.0	6760.6	348.0	6921.3	350.0	6949.6		
NH	4	0.125	2055.0	0.055	4626.2	0.03	5331.2	0.055	6792.0	
X1	460	43	4626.2	5331.2	480.0	425.0	440.0			
X3				2370.0						
GR	350.0	1220.0	346.0	1470.0	344.0	1860.0	346.0	2055.0	346.0	2132.0
GR	346.0	2162.0	344.0	2208.0	342.0	3091.2	342.0	3321.4	344.0	3345.9
GR	344.0	3411.5	342.0	3819.8	340.0	3824.7	340.0	3844.0	342.0	3912.4
GR	342.0	3979.8	340.0	4198.8	338.0	4226.4	336.0	4313.8	336.0	4582.0
GR	336.0	4610.6	334.0	4617.1	332.0	4620.2	330.0	4626.2	328.0	4630.1
GR	328.0	5252.6	330.0	5331.2	340.0	5356.8	340.0	5383.4	340.0	5476.7
GR	342.0	5845.6	342.0	5959.6	342.0	6188.7	344.0	6197.4	346.0	6296.4
GR	346.0	6376.8	344.0	6385.2	342.0	6399.7	342.0	6575.7	344.0	6587.7
GR	346.0	6645.3	348.0	6750.0	350.0	6792.0				
NH	6	0.125	1790.0	0.045	2590.0	0.100	3579.6	0.045	5002.1	0.07
NH	5145.9	0.045	6460.0							
X1	470	64	5002.1	5145.9	790.0	430.0	480.0			
X3				2340.0						
GR	350.0	600.0	346.0	1245.0	348.0	1323.0	348.0	1790.0	348.0	1885.0
GR	346.0	1892.0	346.0	2590.0	346.0	3020.0	346.0	3483.5	346.0	3520.4
GR	346.0	3579.6	344.0	3685.9	342.0	3709.5	340.0	3715.3	338.0	3720.0
GR	338.0	3725.9	340.0	3732.2	340.0	3847.1	338.0	4279.4	336.0	4285.0
GR	334.0	4293.9	332.0	4306.5	332.0	4345.6	332.0	4372.4	330.0	4384.2
GR	330.0	4423.6	340.0	4459.4	342.0	4471.1	342.0	4556.9	340.0	4613.1
GR	338.0	4618.3	336.0	4624.9	334.0	4632.7	334.0	4698.0	336.0	4706.4
GR	338.0	4729.0	338.0	4764.9	338.0	4837.2	338.0	4863.7	336.0	4874.6
GR	334.0	4887.4	332.0	4914.2	330.0	5002.1	328.0	5083.6	328.0	5130.1
GR	330.0	5145.9	340.0	5162.1	342.0	5168.9	344.0	5235.6	344.0	5596.5
GR	342.0	5821.0	342.0	5959.5	344.0	5994.9	346.0	6007.4	348.0	6035.5
GR	348.0	6205.0	346.0	6216.0	344.0	6220.0	342.0	6315.0	342.0	6386.0
GR	344.0	6405.0	346.0	6419.0	348.0	6435.0	350.0	6460.0		
NH	4	0.100	2619.8	0.045	3872.7	0.07	4124.9	0.045	5570.7	
X1	480	41	3872.7	4124.9	305.0	280.0	280.0			
GR	356.0	1132.0	356.0	1228.0	354.0	1275.0	352.0	1286.0	352.0	1390.0
GR	350.0	1446.0	348.0	1450.0	346.0	1455.0	346.0	1467.0	348.0	1950.0
GR	348.0	2113.2	346.0	2545.0	344.0	2619.8	342.0	2664.9	342.0	2687.7
GR	342.0	2739.0	342.0	3361.5	344.0	3483.8	344.0	3688.0	342.0	3866.6
GR	340.0	3872.7	330.0	3894.3	330.0	4069.2	332.0	4095.4	334.0	4114.1
GR	336.0	4116.2	338.0	4120.0	340.0	4124.9	342.0	4132.6	344.0	4189.7
GR	344.0	4740.3	344.0	5007.8	346.0	5016.3	348.0	5024.5	348.0	5269.2
GR	346.0	5273.4	344.0	5277.1	344.0	5511.3	346.0	5541.5	348.0	5560.0
GR	350.0	5570.7								
NH	4	0.100	2502.0	0.045	3854.9	0.07	4098.1	0.045	5643.7	
X1	483	45	3854.9	4098.1	100.0	105.0	100.0			
GR	356.0	1105.0	356.0	1280.0	354.0	1290.0	352.0	1430.0	350.0	1454.0
GR	348.0	1460.0	348.0	2105.1	346.0	2502.0	344.0	2612.0	342.0	2665.7
GR	342.0	2683.7	342.0	2769.5	342.0	3359.5	342.0	3379.8	342.0	3410.7
GR	344.0	3450.4	344.0	3816.5	342.0	3837.7	340.0	3854.9	330.0	3895.7
GR	330.0	4009.3	332.0	4079.9	334.0	4088.0	336.0	4091.9	338.0	4095.3
GR	340.0	4098.1	342.0	4103.2	342.0	4137.8	340.0	4141.5	340.0	4162.6
GR	342.0	4171.8	344.0	4215.5	344.0	4767.9	344.0	5026.4	346.0	5036.5

GR	348.0	5044.5	348.0	5286.1	346.0	5290.9	344.0	5396.7	344.0	5436.4
GR	344.0	5502.7	344.0	5543.5	346.0	5604.2	348.0	5621.7	350.0	5643.7
NC	0.045	0.045	0.07							
X1	484	26	3795.2	4061.4	110.0	160.0	115.0			
GR	356.0	1100.0	356.0	1270.0	354.0	1315.0	352.0	1350.0	350.0	1373.0
GR	348.0	1419.0	346.0	1810.0	344.0	2690.0	342.0	2965.4	342.0	3369.7
GR	344.0	3472.5	344.0	3650.8	342.0	3795.2	340.0	3810.8	330.0	3835.1
GR	330.0	3898.3	332.0	3907.2	334.0	3912.9	336.0	3918.5	338.0	3980.9
GR	340.0	4017.8	342.0	4061.4	344.0	4422.3	346.0	4997.8	348.0	5278.5
GR	350.0	5330.8								
NC	0.045	0.045	0.07							
	CHUBB LANE CROSSING									
X1	485	20	3795.2	4061.4	10.0	10.0	10.0			
GR	356.0	1100.0	356.0	1270.0	354.0	1315.0	352.0	1350.0	350.0	1373.0
GR	348.0	1419.0	346.0	1810.0	344.0	2690.0	342.0	2965.4	342.0	3369.7
GR	344.0	3472.5	344.0	3650.8	342.0	3795.2	340.0	3810.8	340.0	4017.8
GR	342.0	4061.4	344.0	4422.3	346.0	4997.8	348.0	5278.5	350.0	5330.8
NC	0.045	0.045	0.07							
X1	486	26	3795.2	4061.4	10.0	10.0	10.0			
GR	356.0	1100.0	356.0	1270.0	354.0	1315.0	352.0	1350.0	350.0	1373.0
GR	348.0	1419.0	346.0	1810.0	344.0	2690.0	342.0	2965.4	342.0	3369.7
GR	344.0	3472.5	344.0	3650.8	342.0	3795.2	340.0	3810.8	330.0	3835.1
GR	330.0	3898.3	332.0	3907.2	334.0	3912.9	336.0	3918.5	338.0	3980.9
GR	340.0	4017.8	342.0	4061.4	344.0	4422.3	346.0	4997.8	348.0	5278.5
GR	350.0	5330.8								
NH	4	0.04	3797.7	0.07	3905.4	.075	4841.3	0.125	5380.0	
X1	490	36	3797.7	3905.4	175.0	175.0	175.0			
GR	354.0	110.0	354.0	1280.0	352.0	1310.0	350.0	1330.0	348.0	1358.0
GR	346.0	1408.0	346.0	2451.7	342.0	3056.1	342.0	3463.8	342.0	3544.0
GR	342.0	3616.0	342.0	3686.6	340.0	3704.2	340.0	3748.6	340.0	3774.1
GR	338.0	3780.9	336.0	3797.7	334.0	3806.3	332.0	3814.2	330.0	3830.2
GR	330.0	3875.2	332.0	3892.7	334.0	3900.1	336.0	3905.4	338.0	3911.0
GR	340.0	3917.1	342.0	3924.4	342.0	4001.3	346.0	4712.1	348.0	4717.7
GR	348.0	4725.7	346.0	4737.3	346.0	4793.3	348.0	4841.3	350.0	4959.4
GR	352.0	5380.0								
QT	1.0	105000								
NH	5	0.085	2633.5	0.03	3766.7	0.04	4005.4	0.03	4739.8	0.125
NH	6165.0									
X1	500	44	3766.7	4005.4	495.0	525.0	510.0			
GR	358.0	830.0	356.0	900.0	354.0	1045.0	352.0	1089.0	350.0	1175.0
GR	348.0	1242.0	348.0	2080.0	348.0	2633.5	346.0	2640.9	346.0	2735.0
GR	346.0	2810.0	344.0	3339.8	342.0	3695.5	338.0	3741.7	336.0	3751.7
GR	334.0	3766.7	332.0	3793.9	330.0	3843.9	330.0	3989.1	332.0	3998.5
GR	334.0	4005.4	336.0	4015.5	338.0	4023.5	340.0	4112.9	338.0	4126.6
GR	336.0	4139.9	336.0	4175.3	338.0	4185.5	340.0	4201.8	342.0	4395.8
GR	342.0	4399.9	346.0	4407.0	346.0	4469.5	346.0	4591.4	348.0	4594.7
GR	348.0	4599.1	348.0	4617.3	348.0	4625.8	348.0	4647.7	348.0	4679.9
GR	348.0	4739.8	350.0	4933.4	352.0	5300.0	354.0	6165.0		

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NH      5      0.065    2393.3     0.03     3835.4     0.04     4360.7     0.03     4590.8     0.125
NH   6670.0
X1     507        63    3860.7   4289.5      510.0      450.0      470.0
GR   360.0     960.0     358.0   1050.0      356.0     1095.0      354.0   1357.0     352.0   1435.0
GR   350.0    1590.0     348.0   1765.0      348.0     1800.0      350.0   2192.2     350.0   2393.3
GR   348.0    3070.0     348.0   3487.6      350.0     3675.1      352.0   3743.8     352.0   3835.4
GR   350.0    3839.8     348.0   3847.1      346.0     3853.6      344.0   3856.3     342.0   3860.7
GR   340.0    3865.6     339.0   3869.5      338.0     3876.5      336.0   3889.4     336.0   3911.5
GR   336.0    3918.5     336.0   3953.5      336.0     3960.5      336.0   3994.0     334.0   4004.0
GR   334.0    4037.5     334.0   4044.5      334.0     4079.5      334.0   4086.5     334.0   4121.5
GR   334.0    4128.5     334.0   4162.0      336.0     4172.0      336.0   4205.5     336.0   4212.5
GR   336.0    4226.3     337.0   4247.5      338.0     4252.3      339.0   4254.5     340.0   4259.3
GR   342.0    4267.2     342.0   4267.4      342.0     4289.5      342.0   4296.5     342.0   4304.1
GR   342.0    4322.4     346.0   4332.1      348.0     4339.3      350.0   4346.2     352.0   4360.7
GR   352.0    4419.1     350.0   4539.4      350.0     4590.8      352.0   5410.1     354.0   6320.0
GR   356.0    6500.0     358.0   6600.0      360.0     6670.0

NC    0.04      0.04      0.03      0.3        0.5
      MAGNOLIA AVE BRIDGE   (NORMAL BRIDGE ROUTINE)
X1     508        58    3860.7   4289.5       10.0       10.0       10.0
BT     -49    3743.8     352.0    352.0     3835.4      354.5      352.0   3869.5     355.0   352.0
BT           3869.5     355.0    339.0     3876.5      355.0      338.0   3876.5     355.0   352.0
BT           3911.5     355.0    352.0     3911.5      355.0      336.0   3918.5     355.0   336.0
BT           3918.5     355.0    352.0     3953.5      355.0      352.0   3953.5     355.0   336.0
BT           3960.5     355.0    336.0     3960.5      355.0      352.0   3994.0     355.0   352.0
BT           3994.0     355.0    336.0     4004.0      355.0      336.0   4004.0     355.0   352.0
BT           4037.5     355.0    352.0     4037.5      355.0      336.0   4044.5     355.0   336.0
BT           4044.5     355.0    352.0     4079.5      355.0      352.0   4079.5     355.0   336.0
BT           4086.5     355.0    336.0     4086.5      355.0      352.0   4121.5     355.0   352.0
BT           4121.5     355.0    336.0     4128.5      355.0      336.0   4128.5     355.0   352.0
BT           4162.0     355.0    352.0     4162.0      355.0      336.0   4172.0     355.0   336.0
BT           4172.0     355.0    352.0     4205.5      355.0      352.0   4205.5     355.0   336.0
BT           4212.5     355.0    336.0     4212.5      355.0      352.0   4247.5     355.0   352.0
BT           4247.5     355.0    337.0     4254.5      355.0      339.0   4254.5     355.0   352.0
BT           4289.5     355.0    352.0     4289.5      355.0      342.0   4296.5     355.0   342.0
BT           4296.5     355.0    352.0     4346.2      355.0      352.0   4360.7     354.0   352.0
BT           4450.0     352.0    352.0
GR   360.0     965.0     358.0   1085.0      356.0     1225.0      354.0   1345.0     352.0   1510.0
GR   350.0    2420.0     348.0   3070.0      348.0     3487.6      350.0   3675.1     352.0   3743.8
GR   352.0    3835.4     350.0   3839.8      348.0     3847.1      346.0   3853.6     344.0   3856.3
GR   342.0    3860.7     340.0   3865.6      339.0     3869.5      338.0   3876.5     336.0   3889.4
GR   336.0    3911.5     336.0   3918.5      336.0     3953.5      336.0   3960.5     336.0   3994.0
GR   334.0    4004.0     334.0   4037.5      334.0     4044.5      334.0   4079.5     334.0   4086.5
GR   334.0    4121.5     334.0   4128.5      334.0     4162.0      336.0   4172.0     336.0   4205.5
GR   336.0    4212.5     336.0   4226.3      337.0     4247.5      338.0   4252.3     339.0   4254.5
GR   340.0    4259.3     342.0   4267.2      342.0     4267.4      342.0   4289.5     342.0   4296.5
GR   342.0    4304.1     342.0   4322.4      346.0     4332.1      348.0   4339.3     350.0   4346.2
GR   352.0    4360.7     352.0   4450.0      352.0     5050.0      352.0   5450.0     354.0   6150.0
GR   356.0    6290.0     358.0   6680.0      360.0     6810.0
```

NC	0.04	0.04	0.03							
X1	509	58	3889.4	4322.4	65.0	65.0	65.0			
BT	-49	3743.8	352.0	352.0	3835.4	354.5	352.0	3869.5	355.0	352.0
BT		3869.5	355.0	339.0	3876.5	355.0	338.0	3876.5	355.0	352.0
BT		3911.5	355.0	352.0	3911.5	355.0	336.0	3918.5	355.0	336.0
BT		3918.5	355.0	352.0	3953.5	355.0	352.0	3953.5	355.0	336.0
BT		3960.5	355.0	336.0	3960.5	355.0	352.0	3994.0	355.0	352.0
BT		3994.0	355.0	336.0	4004.0	355.0	336.0	4004.0	355.0	352.0
BT		4037.5	355.0	352.0	4037.5	355.0	336.0	4044.5	355.0	336.0
BT		4044.5	355.0	352.0	4079.5	355.0	352.0	4079.5	355.0	336.0
BT		4086.5	355.0	336.0	4086.5	355.0	352.0	4121.5	355.0	352.0
BT		4121.5	355.0	336.0	4128.5	355.0	336.0	4128.5	355.0	352.0
BT		4162.0	355.0	352.0	4162.0	355.0	336.0	4172.0	355.0	336.0
BT		4172.0	355.0	352.0	4205.5	355.0	352.0	4205.5	355.0	336.0
BT		4212.5	355.0	336.0	4212.5	355.0	352.0	4247.5	355.0	352.0
BT		4247.5	355.0	337.0	4254.5	355.0	339.0	4254.5	355.0	352.0
BT		4289.5	355.0	352.0	4289.5	355.0	342.0	4296.5	355.0	342.0
BT		4296.5	355.0	352.0	4346.2	355.0	352.0	4360.7	354.0	352.0
BT		4450.0	352.0	352.0						
GR	360.0	965.0	358.0	1085.0	356.0	1225.0	354.0	1345.0	352.0	1510.0
GR	350.0	2420.0	348.0	3070.0	348.0	3487.6	350.0	3675.1	352.0	3743.8
GR	352.0	3835.4	350.0	3839.8	348.0	3847.1	346.0	3853.6	344.0	3856.3
GR	342.0	3860.7	340.0	3865.6	339.0	3869.5	338.0	3876.5	336.0	3889.4
GR	336.0	3911.5	336.0	3918.5	336.0	3953.5	336.0	3960.5	336.0	3994.0
GR	334.0	4004.0	334.0	4037.5	334.0	4044.5	334.0	4079.5	334.0	4086.5
GR	334.0	4121.5	334.0	4128.5	334.0	4162.0	336.0	4172.0	336.0	4205.5
GR	336.0	4212.5	336.0	4226.3	337.0	4247.5	338.0	4252.3	339.0	4254.5
GR	340.0	4259.3	342.0	4267.2	342.0	4267.4	342.0	4289.5	342.0	4296.5
GR	342.0	4304.1	342.0	4322.4	346.0	4332.1	348.0	4339.3	350.0	4346.2
GR	352.0	4360.7	352.0	4450.0	352.0	5050.0	352.0	5450.0	354.0	6150.0
GR	356.0	6290.0	358.0	6680.0	360.0	6810.0				
NC	0	0	0	0.1	0.3					
NH	5	0.125	3603.7	0.03	3864.3	0.04	4357.7	0.03	4787.9	0.125
NH	6500.0									
X1	510	67	3885.3	4317.2	10.0	10.0	10.0			
GR	360.0	1000.0	358.0	1120.0	356.0	1230.0	354.0	1350.0	352.0	1480.0
GR	352.0	2160.4	354.0	2166.0	354.0	2725.2	352.0	2794.1	350.0	2800.2
GR	348.0	2927.2	348.0	3502.2	350.0	3603.7	352.0	3725.7	352.0	3854.6
GR	350.0	3859.7	348.0	3864.3	346.0	3872.7	344.0	3875.1	342.0	3885.3
GR	340.0	3888.1	339.0	3897.2	336.0	3904.2	336.0	3939.2	336.0	3946.2
GR	336.0	3981.2	335.0	3988.2	335.0	4021.7	335.0	4031.7	335.0	4065.2
GR	334.0	4072.2	334.0	4099.9	333.0	4107.2	333.0	4114.2	332.0	4118.2
GR	332.0	4138.2	334.0	4141.3	334.0	4149.2	335.0	4156.2	335.0	4189.7
GR	335.0	4199.7	335.0	4233.2	336.0	4240.2	336.0	4261.1	338.0	4264.2
GR	340.0	4272.0	340.0	4275.2	341.0	4282.2	341.0	4317.2	342.0	4324.2
GR	344.0	4330.0	346.0	4338.6	348.0	4357.7	348.0	4451.3	346.0	4474.4
GR	346.0	4560.8	348.0	4643.2	350.0	4686.4	352.0	4787.9	354.0	4949.8
GR	356.0	5106.6	356.0	5735.0	354.0	5745.0	354.0	5815.0	356.0	6265.0
GR	358.0	6305.0	360.0	6500.0						

NH	3	.125	3614.7	0.04	4704.9	0.125	6505.0			
X1	515	53	3935.0	4447.8	250.0	350.0	275.0			
GR	362.0	710.0	360.0	720.0	358.0	785.0	356.0	866.0	354.0	1170.0
GR	352.0	1700.0	352.0	2020.0	354.0	2100.0	354.0	2376.8	352.0	2799.9
GR	350.0	3013.6	348.0	3176.9	348.0	3407.4	348.0	3614.7	348.0	3639.6
GR	346.0	3642.6	346.0	3643.2	344.0	3648.3	342.0	3652.1	340.0	3656.8
GR	338.0	3665.5	346.0	3667.9	336.0	3675.4	334.0	3935.0	332.0	3951.7
GR	332.0	4435.6	334.0	4447.8	336.0	4456.4	338.0	4469.2	340.0	4526.5
GR	342.0	4537.8	344.0	4543.0	346.0	4557.9	348.0	4603.2	350.0	4609.2
GR	352.0	4615.3	352.0	4647.6	352.0	4662.2	354.0	4666.4	354.0	4704.9
GR	354.0	4863.6	356.0	5134.3	356.0	5500.0	354.0	5620.0	354.0	5675.0
GR	356.0	5765.0	356.0	5830.0	354.0	5880.0	354.0	5940.0	356.0	6035.0
GR	358.0	6120.0	360.0	6420.0	362.0	6505.0				
NH	5	0.125	4258.6	0.04	4387.7	0.03	4851.5	0.04	5018.7	0.125
NH	6900.0									
X1	520	65	4347.8	4855.3	515.0	590.0	560.0			
GR	362.0	1250.0	360.0	1261.0	358.0	1319.0	356.0	1540.0	354.0	1650.0
GR	352.0	2055.0	352.0	2209.2	354.0	2588.6	356.0	2679.1	356.0	2743.9
GR	354.0	3131.2	354.0	3204.9	354.0	3232.3	352.0	3297.2	352.0	3308.2
GR	352.0	3319.1	352.0	3327.2	352.0	3343.9	350.0	3512.7	348.0	3663.8
GR	348.0	3669.4	348.0	3965.0	348.0	4106.2	348.0	4106.7	348.0	4158.5
GR	348.0	4258.6	346.0	4263.3	344.0	4268.6	342.0	4272.0	340.0	4275.2
GR	338.0	4279.7	336.0	4283.7	334.0	4347.8	332.0	4387.7	332.0	4523.9
GR	334.0	4530.9	334.0	4704.9	332.0	4708.7	332.0	4851.5	334.0	4855.3
GR	336.0	4860.2	338.0	4866.8	340.0	4876.8	342.0	4919.9	344.0	4927.6
GR	346.0	4929.8	348.0	4933.4	350.0	4951.4	352.0	4959.9	354.0	4990.6
GR	356.0	4998.1	356.0	5018.7	354.0	5361.1	354.0	5395.8	356.0	5475.0
GR	358.0	5510.0	356.0	5585.0	356.0	5930.0	358.0	5965.0	356.0	6150.0
GR	356.0	6200.0	358.0	6290.0	358.0	6720.0	360.0	6810.0	362.0	6900.0
NH	4	0.100	4012.3	0.04	4190.2	0.03	4516.3	0.04	6460.0	
X1	530	53	4190.2	4516.3	640.0	610.0	620.0			
GR	362.0	1570.0	360.0	1582.0	358.0	1775.0	356.0	1790.0	356.0	1985.0
GR	356.0	2190.2	354.0	2655.8	354.0	2937.3	352.0	2958.0	350.0	3490.2
GR	350.0	4012.3	350.0	4089.9	348.0	4095.2	346.0	4143.4	344.0	4151.9
GR	342.0	4155.4	340.0	4159.6	338.0	4174.5	336.0	4183.0	334.0	4190.2
GR	334.0	4516.3	336.0	4525.2	338.0	4589.7	340.0	4647.5	350.0	4666.3
GR	352.0	4674.7	360.0	4691.0	360.0	4705.1	354.0	4712.6	352.0	4718.3
GR	350.0	4725.4	350.0	4760.9	352.0	4781.7	354.0	4795.3	356.0	4806.9
GR	358.0	4832.0	360.0	4863.8	360.0	4905.5	358.0	5015.0	356.0	5040.0
GR	356.0	5300.0	354.0	5430.0	356.0	5500.0	358.0	5680.0	358.0	5783.0
GR	356.0	5787.0	354.0	5855.0	354.0	5975.0	356.0	6035.0	358.0	6040.0
GR	360.0	6410.0	360.0	6455.0	362.0	6460.0				
NH	4	0.100	1987.3	0.04	2128.1	0.03	2406.4	0.04	3590.0	
X1	535	36	2119.8	2411.1	290.0	275.0	280.0			
GR	360.0	0.0	358.0	188.8	356.0	211.0	354.0	228.7	354.0	314.3
GR	354.0	334.2	354.0	351.3	354.0	695.4	352.0	1004.9	352.0	1261.4
GR	352.0	1339.2	350.0	1389.9	350.0	1987.3	350.0	2065.4	348.0	2095.4
GR	346.0	2098.9	344.0	2102.4	342.0	2107.7	340.0	2113.5	338.0	2117.2
GR	336.0	2119.8	334.0	2128.1	334.0	2406.4	336.0	2411.1	338.0	2445.2
GR	340.0	2478.5	342.0	2515.2	344.0	2529.9	346.0	2535.1	348.0	2543.0

GR	350.0	2635.3	352.0	2651.1	354.0	2773.2	356.0	3360.0	358.0	3390.0
GR	360.0	3590.0								
NH	4	0.100	1900.0	0.04	2065.8	0.03	2390.6	0.04	3240.0	
X1	540	36	2055.8	2395.1	365.0	335.0	350.0			
GR	364.0	126.0	362.0	255.0	360.0	292.6	358.0	352.3	356.0	382.5
GR	356.0	410.9	356.0	877.4	354.0	963.3	354.0	968.2	354.0	1262.3
GR	354.0	1625.0	354.0	1706.5	352.0	1727.1	351.0	1900.0	350.0	2004.7
GR	340.0	2027.6	338.0	2035.3	336.0	2055.8	334.0	2065.8	334.0	2390.6
GR	336.0	2395.1	338.0	2410.3	340.0	2416.7	342.0	2432.0	344.0	2444.2
GR	346.0	2460.4	348.0	2466.0	350.0	2474.7	352.0	2495.3	354.0	2555.1
GR	354.0	2571.0	354.0	2617.2	356.0	2676.7	356.0	3100.0	358.0	3200.0
GR	360.0	3240.0								
NH	6	0.100	1120.0	0.06	1701.3	0.04	1900.5	0.03	2149.2	0.04
NH	2539.6	0.125	2909.2							
X1	550	40.0	1894.0	2153.3	645.0	655.0	650.0			
GR	370.0	147.4	368.0	151.1	366.0	158.9	364.0	168.9	364.0	250.9
GR	364.0	308.1	362.0	326.8	358.0	354.2	356.0	381.8	356.0	568.8
GR	356.0	1120.0	354.0	1377.0	354.0	1422.7	354.0	1701.3	352.0	1718.0
GR	350.0	1746.6	340.0	1828.0	338.0	1831.6	336.0	1894.0	334.0	1900.5
GR	334.0	2149.2	336.0	2153.3	338.0	2156.8	340.0	2199.4	342.0	2214.0
GR	344.0	2223.8	344.0	2280.7	344.0	2333.5	346.0	2348.4	348.0	2353.7
GR	350.0	2356.8	352.0	2359.2	354.0	2368.0	356.0	2382.7	358.0	2421.7
GR	360.0	2425.5	360.0	2539.6	360.0	2636.9	362.0	2722.6	364.0	2909.2
NH	4	0.05	1643.0	0.03	1885.4	0.04	2282.7	0.125	2809.5	
X1	560	46.0	1638.2	1898.1	605.0	595.0	600.0			
GR	362.0	136.3	362.0	194.5	364.0	210.8	366.0	233.2	366.0	287.9
GR	366.0	315.1	366.0	371.5	364.0	385.2	362.0	390.9	360.0	455.9
GR	358.0	466.9	356.0	617.4	356.0	992.7	358.0	1010.1	358.0	1064.6
GR	356.0	1372.1	354.0	1497.6	352.0	1542.9	350.0	1558.0	340.0	1585.4
GR	338.0	1592.1	336.0	1638.2	334.0	1643.0	334.0	1885.4	336.0	1898.1
GR	338.0	2060.8	340.0	2071.8	342.0	2121.3	344.0	2208.5	346.0	2214.3
GR	348.0	2217.3	350.0	2220.7	352.0	2224.7	354.0	2227.4	356.0	2254.0
GR	358.0	2260.6	360.0	2279.6	362.0	2282.7	362.0	2385.4	362.0	2469.4
GR	364.0	2537.2	366.0	2600.1	368.0	2650.4	370.0	2686.2	372.0	2770.6
GR	374.0	2809.5								
NH	4	0.100	986.3	0.05	1187.5	0.03	1383.4	0.04	1850.5	
X1	562	40.0	1181.4	1385.0	280.0	285.0	280.0			
GR	366.0	106.5	364.0	123.2	362.0	127.7	360.0	134.7	360.0	138.6
GR	360.0	169.0	358.0	191.7	358.0	219.4	358.0	231.0	356.0	395.2
GR	356.0	419.7	356.0	630.2	356.0	691.3	356.0	986.3	354.0	1059.2
GR	352.0	1064.0	350.0	1068.5	340.0	1107.5	338.0	1127.7	336.0	1181.4
GR	334.0	1187.5	334.0	1383.4	336.0	1385.0	334.0	1453.1	334.0	1484.7
GR	338.0	1555.7	340.0	1600.9	340.0	1633.0	340.0	1698.3	342.0	1712.0
GR	344.0	1780.4	346.0	1790.8	348.0	1797.9	350.0	1801.1	352.0	1812.1
GR	354.0	1816.6	356.0	1819.1	358.0	1821.8	360.0	1826.7	362.0	1850.5

NH	5	0.100	821.7	0.05	1102.1	0.03	1325.5	0.04	1694.5	0.125
NH	1835.5									
X1	564	34.0	1053.1	1332.2	220.0	220.0	220.0			
GR	364.0	130.8	362.0	135.1	360.0	178.5	360.0	194.3	360.0	199.1
GR	358.0	210.6	356.0	821.7	354.0	896.6	351.0	902.2	350.0	905.0
GR	348.0	910.5	346.0	916.1	344.0	926.7	342.0	943.3	338.0	959.8
GR	336.0	1053.1	334.0	1102.1	334.0	1325.5	336.0	1332.2	338.0	1506.9
GR	340.0	1539.8	342.0	1592.1	344.0	1621.6	346.0	1636.2	348.0	1647.2
GR	350.0	1658.3	352.0	1675.0	354.0	1680.3	356.0	1684.4	358.0	1688.6
GR	360.0	1691.3	362.0	1694.5	362.0	1830.3	362.0	1835.5		
NC	0.085	0.06	0.03							
X1	566	48.0	971.9	1257.5	280.0	280.0	280.0			
GR	364.0	125.7	362.0	130.3	360.0	226.0	358.0	539.3	356.0	545.7
GR	354.0	549.2	354.0	586.2	354.0	836.5	351.0	841.5	350.0	846.0
GR	348.0	852.7	346.0	861.9	344.0	870.9	342.0	873.4	340.0	878.6
GR	338.0	882.9	338.0	891.3	340.0	897.1	342.0	928.0	342.0	943.5
GR	340.0	966.5	338.0	971.9	336.0	987.3	334.0	1006.2	334.0	1248.3
GR	336.0	1249.2	338.0	1257.5	340.0	1312.0	342.0	1319.6	344.0	1359.0
GR	346.0	1374.5	348.0	1397.8	350.0	1410.4	352.0	1435.6	354.0	1452.7
GR	356.0	1461.4	358.0	1472.7	360.0	1475.8	362.0	1480.2	364.0	1482.6
GR	366.0	1485.5	368.0	1547.3	370.0	1556.3	372.0	1562.2	374.0	1573.8
GR	376.0	1582.1	378.0	1591.8	380.0	1597.3				
NC	0.085	0.06	0.03							
X1	570	51.0	1642.7	1843.3	285.0	280.0	280.0			
GR	370.0	581.4	368.0	587.2	366.0	591.4	364.0	596.0	362.0	671.4
GR	362.0	686.5	364.0	810.8	364.0	840.9	362.0	859.4	360.0	914.8
GR	358.0	1050.7	356.0	1054.8	354.0	1061.1	354.0	1070.1	356.0	1074.5
GR	358.0	1079.1	358.0	1092.1	356.0	1097.0	356.0	1108.1	358.0	1112.0
GR	358.0	1127.6	356.0	1130.5	356.0	1466.0	356.0	1513.1	354.0	1516.3
GR	351.0	1518.8	350.0	1522.2	348.0	1526.1	346.0	1531.5	344.0	1537.1
GR	342.0	1556.5	342.0	1580.3	342.0	1627.4	340.0	1635.2	338.0	1638.2
GR	336.0	1642.7	334.0	1647.9	334.0	1837.5	336.0	1843.3	338.0	1860.7
GR	340.0	1867.9	342.0	1914.8	344.0	1920.4	346.0	1948.3	348.0	1964.0
GR	350.0	1970.5	352.0	1974.8	354.0	1999.3	356.0	2006.6	358.0	2013.6
GR	360.0	2028.7								
NC	0.085	0.06	0.03							
X1	572	32	832.0	1056.1	200.0	178.0	187.0			
GR	362.0	120.8	360.0	184.3	358.0	190.8	356.0	276.1	356.0	440.2
GR	356.0	738.5	354.0	746.9	351.0	749.1	350.0	755.1	348.0	759.7
GR	346.0	769.4	344.0	772.6	342.0	775.3	340.0	780.9	338.0	784.1
GR	336.0	832.0	334.0	838.1	334.0	1051.5	336.0	1056.1	338.0	1063.0
GR	340.0	1097.3	342.0	1102.0	344.0	1105.3	346.0	1109.4	348.0	1153.3
GR	350.0	1161.6	352.0	1183.2	354.0	1196.0	356.0	1212.6	358.0	1239.7
GR	360.0	1250.9	362.0	1260.0						

NC	0.085	0.06	0.03							
X1	574	35.0	747.5	1043.6	210.0	190.0	200.0			
GR	362.0	129.2	362.0	138.5	362.0	163.3	360.0	186.2	358.0	190.0
GR	358.0	577.1	358.0	687.6	356.0	694.4	354.0	697.9	351.0	701.0
GR	350.0	704.4	348.0	710.2	346.0	713.6	344.0	716.8	342.0	721.3
GR	340.0	725.5	338.0	741.6	336.0	747.5	334.0	749.7	334.0	1039.4
GR	336.0	1043.6	338.0	1048.8	340.0	1081.1	342.0	1085.0	349.9	1097.5
GR	350.0	1106.8	350.0	1121.7	352.0	1128.8	354.0	1131.7	356.0	1148.3
GR	358.0	1163.7	360.0	1176.6	362.0	1185.2	364.0	1192.5	366.0	1192.6

NC	0.085	0.06	0.03							
X1	576	30.0	733.4	959.3	190.0	165.0	170.0			
GR	362.0	169.2	360.0	207.0	358.0	657.3	356.0	661.5	354.0	667.9
GR	351.0	683.0	350.0	687.3	348.0	693.7	346.0	700.1	344.0	706.9
GR	342.0	713.0	340.0	714.2	338.0	733.4	336.0	737.2	334.0	739.6
GR	334.0	948.2	336.0	952.2	338.0	959.3	340.0	1048.8	342.0	1075.6
GR	349.9	1095.6	352.0	1099.3	354.0	1104.0	356.0	1108.2	356.0	1123.7
GR	356.0	1139.6	358.0	1143.4	360.0	1146.4	362.0	1153.0	364.0	1184.9

NC	0.085	0.06	0.03							
X1	582	39.0	698.2	914.1	335.0	310.0	330.0			
GR	364.0	137.4	362.0	189.7	360.0	205.4	360.0	212.2	360.0	221.3
GR	358.0	568.5	356.0	572.6	354.0	576.1	351.0	579.3	350.0	581.9
GR	348.0	586.0	346.0	590.1	344.0	593.5	344.0	610.4	346.0	616.5
GR	346.0	623.7	344.0	627.6	344.0	643.0	344.0	680.1	342.0	683.7
GR	340.0	693.0	338.0	698.2	336.0	704.7	336.0	909.2	338.0	914.1
GR	340.0	919.5	342.0	1044.1	342.0	1107.0	342.0	1140.7	344.0	1144.9
GR	346.0	1148.3	348.0	1150.5	350.0	1152.8	352.0	1156.0	354.0	1159.9
GR	356.0	1163.4	358.0	1215.1	360.0	1219.2	370.0	1239.5		

NC	0.085	0.06	0.03							
X1	584	33.0	632.7	857.9	210.0	190.0	200.0			
GR	364.0	135.1	364.0	145.5	364.0	174.9	362.0	191.2	360.0	196.8
GR	358.0	515.4	356.0	518.5	354.0	526.4	351.0	533.5	350.0	540.1
GR	348.0	551.7	346.0	557.5	344.0	561.9	342.0	573.5	340.0	581.2
GR	338.0	632.7	336.0	644.9	336.0	851.8	338.0	857.9	342.0	992.7
GR	344.0	1066.7	346.0	1072.5	348.0	1095.0	350.0	1098.7	352.0	1100.7
GR	354.0	1107.8	356.0	1111.0	358.0	1121.2	358.0	1163.7	358.0	1244.0
GR	360.0	1267.6	362.0	1299.1	364.0	1309.3				

NC	0.085	0.06	0.03							
X1	586	34.0	582.7	772.7	205.0	205.0	205.0			
GR	366.0	110.7	364.0	182.5	362.0	188.7	360.0	329.3	360.0	355.9
GR	360.0	383.3	360.0	412.5	360.0	444.5	350.0	465.8	348.0	470.9
GR	346.0	483.4	344.0	488.8	342.0	507.1	338.0	582.7	336.0	593.3
GR	336.0	767.0	338.0	772.7	340.0	929.5	342.0	1012.7	344.0	1019.4
GR	346.0	1023.4	348.0	1027.9	350.0	1031.1	360.0	1046.7	362.0	1051.5
GR	362.0	1124.7	360.0	1174.0	360.0	1212.8	360.0	1229.7	358.0	1236.1
GR	358.0	1312.4	360.0	1327.9	362.0	1354.8	364.0	1367.3		

NC	0.085	0.06	0.03							
X1	592	57.0	443.9	597.6	375.0	385.0	380.0			
GR	370.0	130.6	368.0	136.8	366.0	139.9	364.0	191.1	362.0	195.4
GR	360.0	202.2	360.0	222.8	362.0	241.9	364.0	302.7	364.0	344.8
GR	362.0	348.7	360.0	350.8	350.0	371.6	348.0	375.7	346.0	380.7
GR	344.0	395.9	342.0	402.9	340.0	408.7	338.0	443.9	336.0	467.1
GR	336.0	563.3	338.0	572.4	338.0	581.7	338.0	597.6	340.0	602.0
GR	340.0	671.2	340.0	724.3	342.0	747.9	344.0	751.6	346.0	756.9
GR	348.0	760.9	349.9	777.6	352.0	786.1	354.0	792.1	358.0	816.9
GR	360.0	823.8	362.0	905.7	364.0	928.2	364.0	966.1	364.0	1187.2
GR	366.0	1201.8	368.0	1207.7	368.0	1228.7	366.0	1234.6	364.0	1241.2
GR	362.0	1345.3	360.0	1375.6	358.0	1382.2	356.0	1387.4	356.0	1419.4
GR	358.0	1476.4	360.0	1493.0	362.0	1501.1	364.0	1504.4	366.0	1512.4
GR	368.0	1529.3	370.0	1578.1						
NC	0.075	0.065	0.125							
X1	594	80.0	630.7	779.9	230.0	230.0	230.0			
GR	368.0	189.5	366.0	194.5	366.0	207.4	368.0	213.8	370.0	220.5
GR	372.0	225.8	374.0	231.6	376.0	243.5	376.0	310.6	376.0	366.8
GR	376.0	391.0	374.0	415.0	372.0	422.3	370.0	427.1	368.0	428.7
GR	366.0	431.0	364.0	562.6	362.0	564.8	360.0	571.4	350.0	596.8
GR	348.0	609.4	346.0	613.4	344.0	617.0	342.0	630.7	340.0	637.0
GR	340.0	712.7	340.0	738.3	340.0	743.7	342.0	779.9	344.0	790.4
GR	346.0	800.8	348.0	808.4	350.0	822.9	360.0	901.4	358.0	908.6
GR	358.0	939.7	360.0	949.9	362.0	955.8	364.0	964.0	364.0	994.9
GR	362.0	1004.8	360.0	1014.2	358.0	1025.8	356.0	1057.6	356.0	1075.6
GR	358.0	1082.9	360.0	1086.9	362.0	1091.8	364.0	1098.9	366.0	1107.1
GR	368.0	1111.3	370.0	1116.3	370.0	1123.9	368.0	1148.6	366.0	1153.0
GR	364.0	1164.1	364.0	1432.2	364.0	1449.6	364.0	1466.1	366.0	1605.9
GR	368.0	1611.6	370.0	1615.0	370.0	1633.0	368.0	1637.6	366.0	1642.8
GR	364.0	1669.4	364.0	1683.8	364.0	1718.7	362.0	1724.1	360.0	1731.7
GR	358.0	1764.6	356.0	1819.5	356.0	1840.9	358.0	1880.0	360.0	1887.5
GR	362.0	1891.9	364.0	1899.2	366.0	1911.8	368.0	1973.0	370.0	1986.0
NC	0.075	0.065	0.125							
X1	600	76.0	778.9	979.1	145.0	155.0	150.0			
GR	376.0	107.5	374.0	132.1	372.0	135.5	368.0	303.5	368.0	319.6
GR	370.0	325.3	372.0	329.6	374.0	335.7	376.0	341.2	378.0	346.9
GR	380.0	352.9	380.0	443.7	380.0	471.0	380.0	520.9	378.0	541.4
GR	376.0	544.6	374.0	548.5	372.0	551.8	370.0	557.8	368.0	560.1
GR	366.0	563.7	364.0	640.1	362.0	649.0	360.0	652.5	358.0	658.2
GR	356.0	665.5	354.0	675.5	352.0	693.7	350.0	706.0	348.0	714.2
GR	348.0	720.6	348.0	757.2	346.0	778.9	344.0	788.4	342.0	801.2
GR	342.0	944.1	344.0	973.4	346.0	979.1	348.0	986.4	350.0	988.7
GR	360.0	1001.5	362.0	1006.2	364.0	1020.1	366.0	1144.4	368.0	1278.3
GR	370.0	1282.7	370.0	1293.0	368.0	1297.8	366.0	1301.3	364.0	1304.6
GR	364.0	1385.5	366.0	1396.2	366.0	1412.0	364.0	1420.3	364.0	1639.3
GR	364.0	1714.3	364.0	1832.9	366.0	1845.3	368.0	1849.6	370.0	1855.1
GR	370.0	1872.1	368.0	1877.6	366.0	1885.2	364.0	1934.5	362.0	1938.2
GR	360.0	1948.6	360.0	1966.8	360.0	2011.3	358.0	2020.0	358.0	2086.0
GR	360.0	2170.5	362.0	2176.6	364.0	2184.5	366.0	2191.1	368.0	2252.7
GR	370.0	2281.2								

NC	0.075	0.065	0.125							
X1	610	75	319.9	622.8	295.0	355.0	315.0			
GR	390.0	103.3	390.0	133.2	388.0	139.9	382.0	151.5	380.0	156.0
GR	370.0	177.5	368.0	180.4	366.0	189.1	364.0	252.7	362.0	256.4
GR	360.0	260.7	358.0	266.5	356.0	272.8	354.0	301.5	352.0	304.8
GR	350.0	308.1	348.0	313.6	346.0	319.9	344.0	381.3	342.0	409.0
GR	342.0	604.8	344.0	615.0	346.0	622.8	348.0	626.7	350.0	630.3
GR	360.0	645.0	362.0	648.2	364.0	652.3	364.0	727.8	362.0	732.5
GR	360.0	738.6	358.0	742.9	356.0	746.9	356.0	792.1	358.0	799.0
GR	360.0	804.5	362.0	810.2	364.0	815.3	366.0	823.4	368.0	890.1
GR	368.0	914.0	366.0	923.1	366.0	959.7	368.0	969.4	368.0	1056.9
GR	366.0	1071.8	364.0	1084.5	362.0	1096.9	360.0	1103.2	350.0	1127.8
GR	348.0	1147.5	346.0	1173.3	346.0	1268.3	348.0	1275.2	350.0	1281.2
GR	360.0	1298.3	362.0	1301.8	362.0	1341.2	360.0	1381.5	350.0	1415.1
GR	348.0	1422.9	346.0	1430.3	346.0	1494.6	348.0	1515.3	348.0	1717.0
GR	348.0	1760.2	350.0	1832.6	360.0	1856.7	364.0	1860.6	362.0	1866.9
GR	366.0	1891.5	368.0	2520.0	370.0	2620.0	372.0	2740.0	374.0	2780.0

NC	0.075	0.065	0.125							
X1	620	63	299.2	732.0	395.0	395.0	395.0			
GR	380.0	210.5	370.0	228.8	368.0	230.7	366.0	234.4	366.0	239.9
GR	366.0	246.0	364.0	299.2	362.0	302.7	360.0	309.4	358.0	335.2
GR	356.0	341.1	354.0	343.7	352.0	348.6	350.0	415.7	348.0	421.2
GR	346.0	429.7	344.0	515.8	344.0	685.5	346.0	691.3	348.0	701.4
GR	350.0	709.6	360.0	726.0	362.0	729.1	364.0	732.0	364.0	767.8
GR	362.0	771.4	360.0	775.6	350.0	819.3	348.0	824.3	346.0	827.8
GR	346.0	846.3	346.0	966.4	344.0	971.4	344.0	1009.4	346.0	1063.6
GR	348.0	1115.1	350.0	1124.6	360.0	1185.8	362.0	1195.8	364.0	1205.6
GR	366.0	1211.1	368.0	1236.4	370.0	1308.2	370.0	1503.3	368.0	1552.5
GR	366.0	1558.4	364.0	1562.0	362.0	1567.8	360.0	1584.3	360.0	1684.8
GR	362.0	1691.5	364.0	1713.1	366.0	1722.9	366.0	1770.0	366.0	1862.4
GR	368.0	1960.0	368.0	2490.0	370.0	2518.0	372.0	2536.0	374.0	2730.0
GR	376.0	2800.0	378.0	2840.0	380.0	2875.0				

NC	0.075	0.065	0.125							
X1	630	60	445.6	718.0	235.0	295.0	265.0			
GR	380.0	231.4	370.0	248.4	368.0	254.6	366.0	328.7	364.0	337.7
GR	362.0	344.0	360.0	347.8	358.0	353.4	358.0	362.4	358.0	382.2
GR	356.0	395.2	354.0	426.7	352.0	433.1	350.0	438.4	348.0	445.6
GR	346.0	466.8	344.0	561.4	344.0	632.7	346.0	679.5	348.0	718.0
GR	350.0	730.2	360.0	748.4	362.0	751.9	366.0	753.5	364.0	754.7
GR	368.0	804.6	368.0	835.1	366.0	840.2	364.0	844.7	362.0	850.5
GR	360.0	855.9	356.0	865.8	350.0	881.5	348.0	901.3	346.0	918.7
GR	344.0	927.5	344.0	986.7	346.0	996.7	348.0	1015.4	348.0	1070.6
GR	348.0	1129.5	350.0	1141.8	352.0	1146.3	354.0	1258.4	356.0	1275.1
GR	358.0	1514.9	360.0	1522.3	370.0	1544.4	372.0	1576.1	372.0	1650.2
GR	370.0	1676.7	368.0	1685.7	368.0	1855.0	370.0	1966.0	370.0	2470.0
GR	372.0	2510.0	374.0	2657.0	376.0	2695.0	378.0	2745.0	380.0	2785.0

NC	0.075	0.065	0.125							
	FINAL CROSS SECTION - APPROX. 200 FT. DOWNSTREAM OF RIVERFORD BRIDGE									
X1	640	27	433.9	577.6	345.0	355.0	350.0			
GR	376.0	30.0	374.0	40.0	372.0	50.0	370.0	65.0	368.0	177.8
GR	370.0	224.7	370.0	392.0	360.0	410.6	350.0	433.9	348.0	447.6
GR	346.0	450.9	346.0	550.9	348.0	564.9	350.0	577.6	360.0	601.2
GR	362.0	621.0	364.0	656.5	366.0	694.7	368.0	731.7	370.0	757.0
GR	372.0	802.2	372.0	1053.1	370.0	1410.8	370.0	1725.0	372.0	2340.0
GR	374.0	2370.0	376.0	2490.0						

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

*PROF 1

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS
0

CCHV= .100 CEHV= .300
*SECNO 100.000
3720 CRITICAL DEPTH ASSUMED
MISSION DAM - DOWNSTREAM LIMIT OF STUDY (SUB-CRITICAL FLOW ASSUMED)

100.00	19.56	289.56	289.56	290.00	297.46	7.90	.00	.00	280.00
112000.	8839.	102238.	923.	328.	4610.	53.	0.	0.	280.00
.00	26.91	22.18	17.41	.080	.180	.080	.000	270.00	280.77
.158011	0.	0.	0.	0	4	0	.00	331.02	611.79

FLOW DISTRIBUTION FOR SECNO= 100.00 CWSEL= 289.56

STA=	281.	290.	303.	309.	315.	341.	601.	612.
PER Q=	.0	.4	.5	.9	6.0	91.3	.8	
AREA=	7.1	33.3	26.9	42.0	219.1	4610.0	53.0	
VEL=	6.2	13.7	19.6	25.1	30.8	22.2	17.4	
DEPTH=	.8	2.6	4.6	6.6	8.6	17.7	4.8	

*SECNO 110.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

110.00	23.17	297.17	292.83	.00	301.92	4.75	4.15	.31	280.00
112000.	18701.	87575.	5724.	792.	5621.	269.	6.	0.	280.00
.00	23.62	15.58	21.25	.080	.180	.080	.000	274.00	258.90
.060281	45.	45.	45.	2	8	0	.00	367.93	626.84

FLOW DISTRIBUTION FOR SECNO= 110.00 CWSEL= 297.17

STA=	259.	270.	276.	281.	299.	308.	314.	319.	340.	600.	621.	627.
PER Q=	.1	.3	.3	2.5	1.7	1.5	1.6	8.6	78.2	4.9	.2	
AREA=	20.7	25.8	25.9	153.6	88.5	71.8	72.3	333.1	5620.8	247.0	22.4	
VEL=	7.2	11.4	14.3	18.4	21.0	23.3	25.5	29.1	15.6	22.4	8.1	
DEPTH=	1.8	4.2	6.2	8.2	10.2	12.2	14.2	16.2	21.6	12.2	3.6	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 120.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

120.00	27.24	301.24	293.02	.00	304.20	2.96	2.10	.18	280.00
112000.	21481.	74124.	16395.	1284.	6368.	910.	16.	1.	280.00
.00	16.74	11.64	18.01	.080	.180	.080	.000	274.00	206.17
.026407	55.	55.	55.	3	15	0	.00	467.21	673.37

FLOW DISTRIBUTION FOR SECNO= 120.00 CWSEL= 301.24

STA=	206.	304.	327.	341.	355.	603.	644.	673.
PER Q=	4.0	5.1	4.7	5.3	66.2	12.6	2.0	
AREA=	431.4	327.7	255.3	269.2	6368.5	710.2	200.1	
VEL=	10.3	17.5	20.8	22.3	11.6	19.9	11.3	
DEPTH=	4.4	14.3	18.2	20.2	25.7	17.2	6.7	

*SECNO 130.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

130.00	33.47	309.47	296.02	.00	310.78	1.30	6.41	.17	280.00
112000.	33258.	49691.	29051.	3455.	7211.	2491.	145.	8.	280.00
.02	9.63	6.89	11.66	.080	.180	.080	.000	276.00	92.10
.007104	520.	520.	520.	4	15	0	.00	646.81	738.91

FLOW DISTRIBUTION FOR SECNO= 130.00 CWSEL= 309.47

STA=	92.	205.	272.	325.	341.	353.	584.	600.	612.	628.	644.	683.	739.
PER Q=	5.8	6.2	10.2	4.0	3.5	44.4	5.9	3.9	4.5	4.2	5.8	1.5	
AREA=	934.3	829.6	1027.5	359.6	304.0	7210.8	458.4	320.3	386.7	377.6	646.4	301.8	
VEL=	6.9	8.4	11.2	12.4	12.7	6.9	14.5	13.8	13.1	12.4	10.1	5.6	
DEPTH=	8.3	12.5	19.1	22.5	26.2	31.3	28.5	26.5	24.5	22.5	16.7	5.4	

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

*SECNO 140.000

140.00	37.70	313.70	297.92	.00	315.23	1.54	4.39	.07	284.00
112000.	20203.	67187.	24610.	1669.	8225.	2025.	305.	15.	284.00
.03	12.11	8.17	12.16	.080	.180	.080	.000	276.00	143.19
.008849	555.	555.	555.	3	14	0	.00	506.96	650.15

FLOW DISTRIBUTION FOR SECNO= 140.00 CWSEL= 313.70

STA=	143.	209.	230.	243.	482.	498.	508.	547.	606.	650.
PER Q=	8.6	5.1	4.4	60.0	6.3	3.7	8.7	3.1	.2	
AREA=	896.7	438.4	333.4	8224.7	436.2	269.6	776.1	467.9	74.7	
VEL=	10.7	13.0	14.7	8.2	16.3	15.4	12.5	7.3	2.9	
DEPTH=	13.6	20.9	27.1	34.3	28.7	26.7	19.8	7.9	1.7	

*SECNO 150.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= .0 1350.0 TYPE= 1 TARGET= 1349.999

150.00	35.64	315.64	295.69	.00	316.11	.47	.77	.11	290.00
112000.	4490.	35864.	71646.	1665.	15948.	10720.	568.	26.	290.00
.06	2.70	2.25	6.68	.080	.160	.035	.000	280.00	153.19
.000529	555.	580.	555.	3	12	0	.00	1196.81	1350.00

FLOW DISTRIBUTION FOR SECNO= 150.00 CWSEL= 315.64

STA=	153.	274.	738.	759.	870.	895.	1042.	1081.	1153.	1233.	1332.	1350.
PER Q=	4.0	32.0	3.5	15.1	3.0	18.4	4.3	6.9	6.0	6.0	.6	
AREA=	1664.8	15947.7	489.1	2305.5	477.2	2902.8	710.2	1213.0	1158.0	1261.4	202.9	
VEL=	2.7	2.2	8.0	7.3	7.1	7.1	6.9	6.4	5.8	5.3	3.6	
DEPTH=	13.8	34.3	23.9	20.6	19.6	19.6	18.6	16.6	14.6	12.6	11.5	

1490 NH CARD USED
*SECNO 160.000

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= .0 2430.0 TYPE= 1 TARGET= 2429.999

160.00	34.28	316.28	295.56	.00	316.41	.13	.26	.03	292.00
112000.	78205.	7183.	26612.	27137.	2564.	9662.	1165.	56.	290.00
.14	2.88	2.80	2.75	.071	.080	.042	.000	282.00	126.76
.000243	900.	670.	670.	2	22	0	.00	2303.24	2430.00

FLOW DISTRIBUTION FOR SECNO= 160.00 CWSEL= 316.28

STA=	127.	388.	497.	590.	638.	1193.	1263.	1331.	1412.	1529.	1779.	1911.	2125.
PER Q=	3.3	13.1	8.5	3.9	35.6	3.1	2.3	6.4	3.3	10.9	3.8	4.4	
AREA=	1650.3	2861.7	3144.0	1514.0	15172.2	1526.9	1267.9	2564.0	1523.4	3573.2	1480.5	1931.5	
VEL=	2.2	5.1	3.0	2.9	2.6	2.3	2.1	2.8	2.4	3.4	2.9	2.5	
DEPTH=	6.3	26.3	34.0	31.6	27.3	21.7	18.7	31.6	13.1	14.3	11.2	9.0	

STA=	2125.	2430.
PER Q=	1.4	
AREA=	1153.3	
VEL=	1.4	
DEPTH=	3.8	

1490 NH CARD USED
*SECNO 170.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= .0 2750.0 TYPE= 1 TARGET= 2749.999

170.00	34.39	316.39	296.33	.00	316.46	.08	.05	.00	292.00
112000.	65068.	3362.	43570.	29394.	1849.	19274.	1497.	74.	290.00
.18	2.21	1.82	2.26	.060	.080	.047	.000	282.00	217.07
.000107	325.	320.	315.	1	12	0	.00	2532.92	2750.00

FLOW DISTRIBUTION FOR SECNO= 170.00 CWSEL= 316.39

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

STA=	217.	430.	490.	536.	744.	814.	978.	1483.	1544.	1725.	1820.	1884.	1989.
PER Q=	3.5	3.2	3.1	19.7	4.2	6.7	17.8	3.0	6.8	6.2	3.6	5.0	
AREA=	1976.5	1229.7	1089.8	6058.6	2332.7	4371.6	12334.8	1848.7	4604.3	2208.6	1367.2	2034.7	
VEL=	2.0	2.9	3.1	3.6	2.0	1.7	1.6	1.8	1.7	3.1	3.0	2.8	
DEPTH=	9.3	20.5	23.6	29.1	33.5	26.7	24.4	30.4	25.4	23.4	21.4	19.4	

STA=	1989.	2200.	2400.	2630.	2750.
PER Q=	7.9	5.5	3.0	.8	
AREA=	3527.6	2779.3	2046.1	706.3	
VEL=	2.5	2.2	1.7	1.2	
DEPTH=	16.7	13.9	8.9	5.9	

1490 NH CARD USED
*SECNO 180.000

180.00	30.42	316.42	295.86	.00	316.51	.09	.04	.00	292.00
112000.	76713.	9038.	26249.	28565.	6482.	14175.	2120.	106.	290.00
.24	2.69	1.39	1.85	.040	.080	.040	.000	286.00	337.79
.000066	529.	550.	570.	2	14	0	.00	2536.36	2874.15

FLOW DISTRIBUTION FOR SECNO= 180.00 CWSEL= 316.42

STA=	338.	608.	647.	703.	1032.	1109.	1308.	1530.	1759.	1884.	2380.	2570.	2874.
PER Q=	5.4	3.5	5.6	34.9	7.1	5.9	6.1	8.1	5.0	14.4	3.3	.7	
AREA=	3205.8	1069.4	1647.6	10008.5	2153.4	5058.7	5421.4	6482.4	2536.6	8228.7	2295.0	1115.0	
VEL=	1.9	3.6	3.8	3.9	3.7	1.3	1.3	1.4	2.2	2.0	1.6	.7	
DEPTH=	11.9	27.4	29.4	30.4	28.0	25.4	24.4	28.3	20.3	16.6	12.1	3.7	

1490 NH CARD USED
*SECNO 190.000

190.00	30.43	316.43	293.57	.00	316.55	.12	.03	.01	296.00
112000.	99128.	8108.	4765.	33509.	6741.	4539.	2665.	134.	290.00
.29	2.96	1.20	1.05	.032	.080	.043	.000	286.00	124.87
.000048	505.	505.	505.	2	11	0	.00	2360.73	2485.60

FLOW DISTRIBUTION FOR SECNO= 190.00 CWSEL= 316.43

STA=	125.	518.	978.	1037.	1375.	1414.	1576.	1810.	2150.	2486.
PER Q=	3.6	41.4	5.3	30.6	3.1	4.6	7.2	3.7	.5	
AREA=	2959.1	13935.0	1770.9	10290.4	1096.8	3456.5	6741.0	3560.1	978.6	
VEL=	1.3	3.3	3.3	3.3	3.2	1.5	1.2	1.2	.6	
DEPTH=	7.5	30.3	30.4	30.4	28.3	21.2	28.9	10.5	2.9	

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

1490 NH CARD USED
*SECNO 200.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

200.00	30.50	316.50	293.75	.00	316.62	.11	.07	.00	296.00
112000.	62277.	5443.	44280.	32344.	3341.	12342.	3440.	174.	294.00
.37	1.93	1.63	3.59	.110	.125	.042	.000	286.00	138.23
.000240	720.	740.	750.	2	14	0	.00	2380.35	2518.58

FLOW DISTRIBUTION FOR SECNO= 200.00 CWSEL= 316.50

STA=	138.	359.	416.	459.	976.	1203.	1407.	1440.	1563.	1637.	1696.	1771.	1908.
PER Q=	3.1	3.2	3.5	23.5	11.2	10.0	1.2	4.9	4.3	5.4	6.5	12.4	
AREA=	1399.7	942.5	904.9	15076.8	6951.9	6207.6	860.3	3341.0	1543.5	1307.5	1630.0	3052.6	
VEL=	2.5	3.8	4.4	1.7	1.8	1.8	1.6	1.6	3.1	4.6	4.4	4.6	
DEPTH=	6.3	16.7	20.9	29.2	30.5	30.5	26.2	27.2	20.7	22.5	21.5	22.4	

STA=	1908.	2000.	2300.	2519.
PER Q=	4.0	6.0	1.0	
AREA=	1324.9	2701.2	782.3	
VEL=	3.4	2.5	1.4	
DEPTH=	14.3	9.0	3.6	

1490 NH CARD USED
*SECNO 209.000

209.00	30.58	316.58	295.77	.00	316.71	.12	.09	.00	298.00
112000.	41346.	10059.	60595.	24513.	6656.	17153.	3889.	196.	294.00
.41	1.69	1.51	3.53	.111	.125	.040	.000	286.00	127.16
.000201	430.	390.	365.	2	17	0	.00	2416.00	2543.17

FLOW DISTRIBUTION FOR SECNO= 209.00 CWSEL= 316.58

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

STA=	127.	436.	554.	673.	779.	1081.	1166.	1233.	1479.	1655.	1934.	2100.	2325.
PER Q=	4.9	4.0	4.5	4.5	13.6	3.5	1.9	9.0	13.9	18.7	9.3	8.7	
AREA=	2258.6	2571.8	3276.9	3138.8	9233.1	2481.4	1552.3	6655.6	3803.0	5463.7	2911.8	3168.7	
VEL=	2.4	1.7	1.5	1.6	1.6	1.6	1.4	1.5	4.1	3.8	3.6	3.1	
DEPTH=	7.3	21.8	27.6	29.6	30.6	29.2	23.1	27.1	21.6	19.6	17.6	14.1	

STA=	2325.	2510.	2543.
PER Q=	3.4	.1	
AREA=	1680.4	125.0	
VEL=	2.3	1.3	
DEPTH=	9.1	3.8	

1490 NH CARD USED
*SECNO 210.000

210.00	30.54	316.54	302.58	.00	316.73	.19	.00	.02	298.00
112000.	28267.	11937.	71796.	16944.	6645.	17105.	3899.	197.	294.00
.41	1.67	1.80	4.20	.100	.125	.040	.000	286.00	128.18
.000285	10.	10.	10.	2	11	0	.00	2414.90	2543.08

FLOW DISTRIBUTION FOR SECNO= 210.00 CWSEL= 316.54

STA=	128.	383.	460.	1233.	1479.	1655.	1934.	2100.	2325.	2510.	2543.
PER Q=	3.5	3.6	18.2	10.7	16.5	22.1	11.0	10.3	4.1	.2	
AREA=	1525.9	1085.6	14332.7	6644.7	3795.1	5451.2	2904.4	3158.7	1672.1	123.5	
VEL=	2.6	3.7	1.4	1.8	4.9	4.6	4.2	3.6	2.7	1.6	
DEPTH=	6.0	14.2	18.5	27.0	21.5	19.5	17.5	14.0	9.0	3.7	

1490 NH CARD USED
*SECNO 211.000

211.00	30.62	316.62	295.77	.00	316.74	.12	.00	.01	298.00
112000.	41332.	10051.	60617.	24548.	6664.	17187.	3910.	197.	294.00
.41	1.68	1.51	3.53	.111	.125	.040	.000	286.00	126.43
.000200	10.	10.	10.	2	17	0	.00	2416.80	2543.23

FLOW DISTRIBUTION FOR SECNO= 211.00 CWSEL= 316.62

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

STA=	126.	436.	554.	673.	779.	1081.	1166.	1233.	1479.	1655.	1934.	2100.	2325.
PER Q=	4.9	4.0	4.5	4.5	13.6	3.5	1.9	9.0	13.9	18.7	9.3	8.7	
AREA=	2268.5	2575.6	3280.7	3142.2	9242.7	2484.1	1554.5	6663.5	3808.6	5472.6	2917.1	3175.9	
VEL=	2.4	1.7	1.5	1.6	1.6	1.6	1.4	1.5	4.1	3.8	3.6	3.1	
DEPTH=	7.3	21.8	27.6	29.6	30.6	29.3	23.1	27.1	21.6	19.6	17.6	14.1	

STA=	2325.	2510.	2543.
PER Q=	3.5	.1	
AREA=	1686.3	126.1	
VEL=	2.3	1.3	
DEPTH=	9.1	3.8	

*SECNO 220.000

220.00	28.72	316.72	301.30	.00	316.91	.18	.15	.02	292.00
112000.	22235.	8031.	81734.	6649.	8803.	22675.	4703.	238.	292.00
.48	3.34	.91	3.60	.040	.200	.040	.000	288.00	269.97
.000181	830.	810.	770.	2	18	0	.00	2080.73	2350.69

FLOW DISTRIBUTION FOR SECNO= 220.00 CWSEL= 316.72

STA=	270.	510.	574.	652.	736.	746.	1065.	1378.	1494.	1563.	1687.	1757.	1873.
PER Q=	4.0	3.7	4.9	6.4	.8	7.2	27.3	7.2	4.1	7.3	4.1	6.8	
AREA=	1883.2	1185.5	1512.2	1842.2	225.4	8803.3	7421.0	2246.8	1293.9	2329.3	1310.7	2166.4	
VEL=	2.4	3.5	3.6	3.9	4.1	.9	4.1	3.6	3.5	3.5	3.5	3.5	
DEPTH=	7.8	18.5	19.6	21.7	23.7	27.6	23.7	19.4	18.7	18.7	18.7	18.7	

STA=	1873.	1965.	2086.	2188.	2351.
PER Q=	5.4	6.5	3.1	1.0	
AREA=	1715.2	2150.0	1282.6	759.2	
VEL=	3.5	3.4	2.7	1.5	
DEPTH=	18.7	17.7	12.6	4.7	

*SECNO 230.000

230.00	28.79	316.79	302.25	.00	317.03	.24	.10	.02	292.00
112000.	15224.	5798.	90978.	4695.	5539.	21936.	5103.	261.	292.00
.52	3.24	1.05	4.15	.040	.200	.040	.000	288.00	478.74
.000240	465.	490.	505.	2	8	0	.00	1964.95	2443.70

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 230.00 CWSEL= 316.79

STA=	479.	811.	889.	940.	941.	1143.	1280.	1427.	1544.	1826.	2021.	2083.	2209.
PER Q=	5.2	4.1	4.2	.1	5.2	13.9	13.8	11.0	19.7	13.3	4.1	3.8	
AREA=	2347.5	1243.2	1066.4	38.1	5539.3	3273.2	3345.2	2652.5	5379.6	3661.7	1144.4	1430.5	
VEL=	2.5	3.7	4.4	3.5	1.0	4.8	4.6	4.6	4.1	4.1	4.0	3.0	
DEPTH=	7.1	15.9	21.3	23.8	27.5	23.8	22.8	22.8	19.0	18.8	18.4	11.4	

STA=	2209.	2444.
PER Q=	1.7	
AREA=	1049.1	
VEL=	1.8	
DEPTH=	4.5	

*SECNO 239.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

239.00	26.77	316.77	303.53	.00	317.24	.47	.15	.07	294.00
112000.	12267.	12979.	86754.	2791.	8628.	14469.	5389.	278.	294.00
.54	4.39	1.50	6.00	.040	.200	.040	.000	290.00	2050.95
.000523	400.	420.	440.	2	14	0	.00	1460.31	3511.26

FLOW DISTRIBUTION FOR SECNO= 239.00 CWSEL= 316.77

STA=	2051.	2332.	2385.	2399.	2724.	2758.	2827.	2869.	3000.	3198.	3388.	3451.	3511.
PER Q=	4.7	4.5	1.7	11.6	3.7	7.6	5.0	14.3	20.0	19.1	5.8	2.1	
AREA=	1598.2	905.5	287.4	8628.3	664.7	1362.5	878.8	2574.7	3726.8	3565.3	1119.8	576.0	
VEL=	3.3	5.6	6.6	1.5	6.2	6.2	6.4	6.2	6.0	6.0	5.8	4.1	
DEPTH=	5.7	16.9	21.8	26.5	19.7	19.8	20.8	19.8	18.8	18.8	17.8	9.5	

*SECNO 240.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

240.00	26.73	316.73	303.47	.00	317.73	1.00	.33	.16	306.00
112000.	16464.	75768.	19769.	1622.	12365.	1707.	5502.	285.	310.00
.55	10.15	6.13	11.58	.040	.200	.040	.000	290.00	2110.58
.010018	195.	230.	255.	2	8	0	.00	1257.15	3367.73

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 240.00 CWSEL= 316.73

STA=	2111.	2339.	2505.	2519.	3032.	3180.	3239.	3368.
PER Q=	6.0	7.3	1.4	67.6	9.7	4.7	3.2	
AREA=	727.2	784.0	111.2	12364.8	877.5	393.9	435.1	
VEL=	9.2	10.5	14.1	6.1	12.4	13.3	8.3	
DEPTH=	3.2	4.7	7.8	24.1	5.9	6.7	3.4	

CCHV= .300 CEHV= .500
*SECNO 242.000

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 31 MIN ELTRD= 312.00 MAX ELLC= 311.50

MAST BLVD BRIDGE (NORMAL BRIDGE ROUTINE)

242.00	26.50	316.50	304.20	.00	318.14	1.64	.09	.32	306.00
112000.	11271.	100356.	372.	1272.	9616.	91.	5505.	286.	310.00
.55	8.86	10.44	4.09	.030	.040	.030	.000	290.00	2072.50
.007459	10.	10.	10.	2	16	0	-4294.22	1238.48	3310.98

FLOW DISTRIBUTION FOR SECNO= 242.00 CWSEL= 316.50

STA=	2073.	2339.	2505.	2519.	3032.	3311.
PER Q=	5.8	3.9	.3	89.6	.3	
AREA=	717.3	496.8	58.0	9616.4	91.1	
VEL=	9.1	8.9	5.6	10.4	4.1	
DEPTH=	2.7	3.0	4.1	18.8	.3	

*SECNO 243.000

3370 NORMAL BRIDGE, NRD= 31 MIN ELTRD= 312.00 MAX ELLC= 311.50

243.00	27.22	317.22	304.19	.00	318.64	1.42	.44	.07	313.00
112000.	13869.	96621.	1509.	1475.	10028.	287.	5522.	288.	300.00
.55	9.40	9.64	5.26	.030	.040	.030	.000	290.00	2047.19
.006123	65.	65.	65.	2	16	0	-4309.07	1271.85	3319.04

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 243.00 CWSEL= 317.22

STA=	2047.	2339.	2480.	3002.	3319.
PER Q=	7.6	4.8	86.3	1.3	
AREA=	919.4	555.3	10027.9	287.0	
VEL=	9.2	9.7	9.6	5.3	
DEPTH=	3.1	3.9	19.2	.9	

CCHV= .100 CEHV= .300
*SECNO 244.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= .0 3685.0 TYPE= 1 TARGET= 3684.999

244.00	28.08	318.08	303.96	.00	318.77	.69	.05	.07	310.00
112000.	27149.	79570.	5280.	3206.	13084.	1260.	5525.	288.	310.00
.55	8.47	6.08	4.19	.040	.140	.055	.000	290.00	1978.40
.004585	10.	10.	10.	2	11	0	.00	1553.38	3677.70

FLOW DISTRIBUTION FOR SECNO= 244.00 CWSEL= 318.08

STA=	1978.	2150.	2251.	2321.	2518.	2551.	3076.	3647.	3678.
PER Q=	4.9	7.4	4.3	6.7	1.0	71.0	4.2	.5	
AREA=	718.8	817.7	510.1	1003.3	156.5	13083.6	1135.7	124.0	
VEL=	7.6	10.1	9.5	7.4	7.2	6.1	4.2	4.5	
DEPTH=	4.2	8.1	7.3	5.1	4.8	24.9	2.0	4.0	

*SECNO 245.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

245.00	28.69	318.69	303.23	.00	319.03	.34	.23	.03	292.00
112000.	42724.	31048.	38228.	7052.	13263.	8797.	5623.	295.	292.00
.56	6.06	2.34	4.35	.040	.140	.055	.000	290.00	400.16
.000563	210.	165.	200.	2	14	0	.00	1544.67	1944.83

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 245.00 CWSEL= 318.69

STA=	400.	649.	735.	777.	817.	928.	1396.	1452.	1493.	1527.	1591.	1649.	1771.
PER Q=	4.3	4.7	3.6	5.9	19.7	27.7	6.4	3.7	3.4	5.4	3.4	5.1	
AREA=	1459.7	1096.2	693.5	930.6	2872.3	13263.4	1333.5	862.3	760.3	1284.1	929.9	1589.2	
VEL=	3.3	4.8	5.8	7.1	7.7	2.3	5.3	4.9	5.1	4.7	4.1	3.6	
DEPTH=	5.9	12.7	16.9	23.2	25.7	28.3	24.1	20.9	22.2	20.0	16.1	13.0	

STA=	1771.	1834.	1945.
PER Q=	3.9	2.8	
AREA=	1039.9	998.1	
VEL=	4.2	3.2	
DEPTH=	16.7	9.0	

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 250.000

250.00	29.18	319.18	303.11	.00	319.47	.29	.43	.01	294.00
112000.	26795.	11689.	73517.	5225.	4921.	17459.	6115.	321.	294.00
.61	5.13	2.38	4.21	.043	.140	.067	.000	290.00	2092.40
.000585	705.	740.	790.	2	14	0	.00	1470.65	3563.05

FLOW DISTRIBUTION FOR SECNO= 250.00 CWSEL= 319.18

STA=	2092.	2358.	2451.	2551.	2567.	2741.	2947.	3001.	3054.	3089.	3130.	3185.	3222.
PER Q=	4.9	5.4	12.9	.7	10.4	9.0	6.1	6.5	3.6	3.6	4.7	4.0	
AREA=	1530.2	1202.1	2108.4	384.5	4921.0	4812.2	1260.9	1316.2	776.4	835.6	1090.0	843.2	
VEL=	3.6	5.0	6.9	2.1	2.4	2.1	5.4	5.5	5.2	4.8	4.8	5.3	
DEPTH=	5.8	13.0	21.0	24.2	28.3	23.3	23.7	24.6	22.2	20.2	19.9	23.0	

STA=	3222.	3439.	3495.	3563.
PER Q=	22.2	4.0	2.1	
AREA=	4820.4	1002.6	701.8	
VEL=	5.2	4.5	3.3	
DEPTH=	22.2	17.9	10.3	

1490 NH CARD USED
*SECNO 260.000

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

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

260.00	25.77	319.77	311.08	.00	320.79	1.02	1.10	.22	300.00
112000.	11703.	17303.	82995.	3574.	3937.	9101.	6635.	355.	300.00
.65	3.27	4.40	9.12	.091	.140	.055	.000	294.00	1717.14
.002600	1035.	1025.	1020.	0	15	0	.00	1421.93	3139.07

FLOW DISTRIBUTION FOR SECNO= 260.00 CWSEL= 319.77

STA=	1717.	2243.	2324.	2375.	2545.	2601.	2635.	2685.	2743.	2775.	2796.	2825.	2856.
PER Q=	5.1	3.2	2.2	15.4	9.2	5.0	7.4	8.7	5.1	4.1	6.2	6.5	
AREA=	2149.0	679.5	746.0	3936.7	1058.7	600.7	886.8	1036.1	593.2	438.3	642.3	672.7	
VEL=	2.7	5.2	3.2	4.4	9.7	9.4	9.4	9.4	9.7	10.4	10.7	10.7	
DEPTH=	4.1	8.4	14.5	23.2	18.8	17.8	17.8	17.8	18.8	20.8	21.8	21.8	

STA=	2856.	2906.	2962.	3015.	3125.	3139.
PER Q=	8.3	6.6	3.7	3.3	.1	
AREA=	947.9	870.2	590.3	736.8	26.9	
VEL=	9.8	8.5	6.9	5.0	2.3	
DEPTH=	19.2	15.3	11.3	6.7	1.8	

1490 NH CARD USED
*SECNO 270.000

270.00	24.16	322.16	313.53	.00	322.78	.62	1.94	.04	300.00
112000.	29201.	13326.	69474.	8869.	3838.	9187.	7057.	391.	304.00
.69	3.29	3.47	7.56	.091	.140	.055	.000	298.00	1548.23
.001670	985.	965.	930.	2	14	0	.00	1895.34	3443.56

FLOW DISTRIBUTION FOR SECNO= 270.00 CWSEL= 322.16

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

STA=	1548.	2126.	2228.	2394.	2477.	2510.	2679.	2721.	2802.	2883.	2906.	2961.	2995.
PER Q=	6.1	5.1	9.6	3.2	2.0	11.9	5.2	12.5	14.0	4.0	10.9	4.6	
AREA=	3732.7	1140.3	2013.2	1301.7	681.3	3837.6	762.6	1687.5	1794.7	515.6	1326.2	655.6	
VEL=	1.8	5.1	5.4	2.7	3.3	3.5	7.6	8.3	8.7	8.7	9.2	7.8	
DEPTH=	6.5	11.2	12.2	15.6	21.2	22.7	18.2	20.7	22.2	22.4	24.2	19.5	

STA=	2995.	3072.	3143.	3444.
PER Q=	5.6	3.2	2.1	
AREA=	1017.0	695.3	731.9	
VEL=	6.2	5.1	3.2	
DEPTH=	13.2	9.8	2.4	

1490 NH CARD USED
*SECNO 280.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

280.00	23.71	323.71	311.29	.00	323.99	.28	1.18	.03	306.00
112000.	18047.	5365.	88589.	8409.	2254.	19255.	7673.	437.	306.00
.76	2.15	2.38	4.60	.121	.140	.064	.000	300.00	262.88
.000829	1045.	1040.	1030.	2	14	0	.00	1967.26	2230.14

FLOW DISTRIBUTION FOR SECNO= 280.00 CWSEL= 323.71

STA=	263.	548.	950.	958.	1060.	1242.	1340.	1370.	1408.	1502.	1570.	1635.	1690.
PER Q=	3.9	12.0	.3	4.8	6.0	6.7	3.3	3.7	8.4	6.8	6.0	4.8	
AREA=	1548.2	6718.9	141.7	2253.8	3223.9	1883.9	621.4	741.1	1735.1	1340.5	1216.4	999.2	
VEL=	2.8	2.0	2.1	2.4	2.1	4.0	5.9	5.6	5.4	5.7	5.5	5.4	
DEPTH=	5.4	16.7	17.7	22.1	17.7	19.2	20.7	19.5	18.5	19.7	18.7	18.2	

STA=	1690.	1800.	1830.	1855.	1933.	1995.	2230.
PER Q=	11.9	3.8	3.3	7.2	4.7	2.5	
AREA=	2278.5	681.4	587.8	1473.7	1036.2	1435.4	
VEL=	5.9	6.2	6.3	5.5	5.1	1.9	
DEPTH=	20.7	22.7	23.5	18.9	16.7	6.1	

*SECNO 285.000

285.00	22.20	324.20	312.49	.00	324.43	.23	.44	.00	306.00
112000.	15468.	3212.	93320.	5365.	1787.	23037.	8139.	469.	310.00
.81	2.88	1.80	4.05	.060	.140	.055	.000	302.00	99.08
.000514	665.	670.	680.	2	18	0	.00	2121.73	2220.82

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 285.00 CWSEL= 324.20

STA=	99.	564.	707.	792.	910.	1063.	1232.	1288.	1337.	1513.	1601.	1786.	1842.
PER Q=	6.6	7.2	2.9	7.8	11.5	11.7	3.9	3.1	8.2	5.0	11.5	4.4	
AREA=	3101.1	2263.8	1786.6	2079.4	2937.4	3081.1	1024.6	844.5	2524.8	1430.4	3156.3	1104.1	
VEL=	2.4	3.6	1.8	4.2	4.4	4.2	4.2	4.1	3.6	3.9	4.1	4.5	
DEPTH=	6.7	15.9	20.9	17.7	19.2	18.2	18.2	17.2	14.4	16.2	17.1	19.6	

STA=	1842.	1982.	2080.	2221.
PER Q=	10.6	3.9	1.8	
AREA=	2699.4	1281.4	873.6	
VEL=	4.4	3.4	2.3	
DEPTH=	19.2	13.1	6.2	

*SECNO 290.000

290.00	22.55	324.55	314.12	.00	324.76	.21	.33	.00	308.00
112000.	27968.	3624.	80408.	7191.	2091.	21914.	8594.	504.	310.00
.86	3.89	1.73	3.67	.040	.140	.055	.000	302.00	1735.86
.000499	645.	645.	645.	2	11	0	.00	2592.54	4328.40

FLOW DISTRIBUTION FOR SECNO= 290.00 CWSEL= 324.55

STA=	1736.	2222.	2394.	2460.	2545.	2655.	2759.	2834.	2932.	3041.	3100.	3243.	3411.
PER Q=	4.2	4.8	3.3	4.7	7.9	3.2	3.9	5.3	5.5	3.4	8.0	5.6	
AREA=	2014.2	1496.8	832.0	1132.5	1715.1	2090.8	1167.7	1556.0	1652.7	967.9	2323.1	1924.5	
VEL=	2.3	3.6	4.5	4.7	5.2	1.7	3.8	3.8	3.7	3.9	3.9	3.2	
DEPTH=	4.1	8.7	12.5	13.3	15.5	20.1	15.5	15.9	15.2	16.4	16.2	11.5	

STA=	3411.	3646.	3730.	3811.	4078.	4169.	4328.
PER Q=	15.0	3.9	3.2	14.0	3.1	1.1	
AREA=	4120.6	1217.9	1053.5	4156.3	1079.0	695.1	
VEL=	4.1	3.6	3.4	3.8	3.2	1.7	
DEPTH=	17.5	14.5	13.1	15.5	11.8	4.4	

1490 NH CARD USED
*SECNO 300.000

3265 DIVIDED FLOW

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

3470 ENCROACHMENT STATIONS= .0 4570.0 TYPE= 1 TARGET= 4569.999

300.00	18.94	324.94	316.65	.00	325.19	.25	.42	.01	314.00
112000.	12143.	12685.	87172.	3911.	4073.	20610.	9051.	546.	314.00
.91	3.11	3.11	4.23	.047	.081	.056	.000	306.00	1679.26
.000828	655.	660.	670.	2	14	0	.00	2871.15	4570.00

FLOW DISTRIBUTION FOR SECNO= 300.00 CWSEL= 324.94

STA=	1679.	2262.	2362.	2426.	2536.	2709.	2798.	2917.	2990.	3029.	3091.	3151.	3255.
PER Q=	5.0	3.0	2.8	6.6	4.7	3.0	9.0	5.6	3.1	4.8	4.3	5.8	
AREA=	2482.5	799.9	628.4	1320.9	2751.7	1078.3	1991.0	1226.7	676.0	1038.6	970.5	1444.5	
VEL=	2.3	4.3	4.9	5.6	1.9	3.1	5.1	5.1	5.1	5.1	4.9	4.5	
DEPTH=	4.3	7.9	9.9	11.9	16.0	12.1	16.7	16.9	16.9	16.9	16.0	13.9	

STA=	3255.	3416.	3529.	3737.	3852.	3967.	4054.	4362.	4570.
PER Q=	8.0	4.0	7.7	5.7	7.4	3.1	5.1	1.1	
AREA=	2082.6	1197.8	2184.2	1498.8	1732.5	877.5	2029.6	581.6	
VEL=	4.3	3.8	3.9	4.3	4.8	4.0	2.8	2.2	
DEPTH=	12.9	10.6	10.5	12.9	15.2	10.1	6.6	2.8	

*SECNO 310.000

3470 ENCROACHMENT STATIONS= .0 4490.0 TYPE= 1 TARGET= 4489.999

CONFLUENCE WITH SYCAMORE CREEK

310.00	17.40	325.40	316.41	.00	325.66	.26	.46	.00	314.00
112000.	14931.	2831.	94238.	4078.	1728.	22201.	9443.	584.	316.00
.95	3.66	1.64	4.24	.040	.140	.055	.000	308.00	1807.91
.000719	620.	610.	600.	2	18	0	.00	2682.09	4490.00

FLOW DISTRIBUTION FOR SECNO= 310.00 CWSEL= 325.40

STA=	1808.	2455.	2580.	2698.	2822.	2944.	3016.	3085.	3160.	3297.	3422.	3550.	3687.
PER Q=	4.3	3.9	5.2	2.5	6.1	4.4	3.9	3.7	6.7	6.6	6.5	5.9	
AREA=	1797.1	1049.7	1231.1	1727.9	1643.1	1105.5	1009.9	1004.8	1835.5	1757.9	1744.7	1707.4	
VEL=	2.7	4.1	4.7	1.6	4.1	4.5	4.3	4.1	4.1	4.2	4.2	3.9	
DEPTH=	2.8	8.4	10.4	13.9	13.5	15.4	14.6	13.4	13.4	14.0	13.7	12.4	

STA=	3687.	4070.	4130.	4191.	4490.
PER Q=	28.6	4.1	3.4	4.2	
AREA=	6624.1	983.9	881.1	1902.7	
VEL=	4.8	4.7	4.3	2.5	
DEPTH=	17.3	16.4	14.4	6.4	

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

*SECNO 320.000

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 180.8 2435.0 TYPE= 1 TARGET= 2254.200
CONFLUENCE WITH FORRESTER CREEK

320.00	15.99	325.99	319.65	.00	326.44	.45	.72	.06	316.00
112000.	53051.	10287.	48662.	8274.	4608.	10656.	9909.	627.	312.00
.99	6.41	2.23	4.57	.040	.140	.055	.000	310.00	192.34
.001218	665.	750.	840.	0	11	0	.00	2176.31	2435.00

FLOW DISTRIBUTION FOR SECNO= 320.00 CWSEL= 325.99

STA=	192.	309.	454.	680.	730.	968.	989.	1300.	1478.	1670.	1786.	1961.	2203.
PER Q=	3.9	12.0	16.4	4.1	10.0	.9	9.2	9.4	9.9	5.3	6.8	9.4	
AREA=	815.5	1880.6	2704.8	648.9	2041.3	183.2	4608.1	2131.0	2260.5	1274.6	1745.3	2419.8	
VEL=	5.4	7.2	6.8	7.1	5.5	5.6	2.2	4.9	4.9	4.7	4.4	4.4	
DEPTH=	7.0	13.0	12.0	13.0	8.6	9.0	14.8	12.0	11.8	11.0	10.0	10.0	

STA=	2203.	2435.
PER Q=	2.6	
AREA=	824.5	
VEL=	3.6	
DEPTH=	3.6	

1490 NH CARD USED
*SECNO 330.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 105.6 2667.4 TYPE= 1 TARGET= -105.600

330.00	15.14	327.14	321.63	.00	327.90	.76	1.37	.09	314.00
112000.	65995.	18116.	27889.	9384.	2361.	4349.	10268.	665.	314.00
1.02	7.03	7.67	6.41	.050	.060	.061	.000	312.00	151.28
.002597	870.	780.	700.	2	14	0	.00	1898.50	2315.76

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 330.00 CWSEL= 327.14

STA=	151.	490.	585.	629.	679.	990.	1393.	1760.	1917.	2113.	2240.	2316.
PER Q=	3.5	4.4	3.5	9.8	3.6	3.8	30.3	16.2	14.1	9.1	1.6	
AREA=	677.5	582.5	372.4	732.2	1400.8	794.3	4824.1	2360.7	2380.0	1536.3	432.5	
VEL=	5.8	8.5	10.5	15.0	2.9	5.4	7.0	7.7	6.7	6.7	4.2	
DEPTH=	2.0	6.1	8.5	14.6	4.5	2.0	13.1	15.0	12.1	12.1	5.7	

1490 NH CARD USED
*SECNO 340.000

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 129.4 2579.9 TYPE= 1 TARGET= -129.400

340.00	18.51	328.51	322.26	.00	329.17	.66	1.26	.01	320.00
112000.	33291.	46751.	31959.	6066.	6457.	4967.	10466.	689.	318.00
1.04	5.49	7.24	6.43	.048	.060	.060	.000	310.00	129.40
.002339	520.	505.	505.	2	15	0	.00	2161.18	2290.58

FLOW DISTRIBUTION FOR SECNO= 340.00 CWSEL= 328.51

STA=	129.	369.	454.	1391.	1410.	1843.	1904.	2190.	2291.
PER Q=	6.8	8.8	13.2	1.0	41.7	3.4	23.5	1.7	
AREA=	1095.5	875.5	3897.9	196.7	6457.2	646.7	3871.3	449.2	
VEL=	6.9	11.3	3.8	5.6	7.2	5.8	6.8	4.2	
DEPTH=	4.6	10.2	4.2	10.4	14.9	10.7	13.5	4.5	

1490 NH CARD USED
*SECNO 345.000

3470 ENCROACHMENT STATIONS= 121.6 2808.6 TYPE= 1 TARGET= -121.600

345.00	17.21	329.21	324.14	.00	329.93	.72	.74	.02	322.00
112000.	35457.	52307.	24236.	6203.	6796.	3962.	10579.	704.	324.00
1.05	5.72	7.70	6.12	.052	.060	.060	.000	312.00	121.60
.002882	320.	280.	250.	0	14	0	.00	2322.10	2443.70

FLOW DISTRIBUTION FOR SECNO= 345.00 CWSEL= 329.21

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

STA=	122.	332.	438.	1312.	1445.	1510.	1996.	2112.	2266.	2339.	2423.	2444.
PER Q=	3.7	6.5	6.8	11.3	3.4	46.7	3.1	11.9	3.6	3.0	.1	
AREA=	641.6	712.0	2498.6	1727.0	624.0	6795.9	731.2	1882.8	687.8	624.7	35.1	
VEL=	6.5	10.2	3.0	7.3	6.1	7.7	4.7	7.0	5.9	5.4	2.1	
DEPTH=	3.0	6.7	2.9	13.0	9.6	14.0	6.3	12.2	9.4	7.5	1.7	

1490 NH CARD USED
CCHV= .300 CEHV= .500
*SECNO 355.000

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 132.4 3105.5 TYPE= 1 TARGET= -132.400

355.00	16.15	330.15	325.97	.00	330.86	.71	.93	.00	322.00	
112000.	50580.	25593.	35827.	6588.	7007.	5065.	10695.	721.	322.00	
1.07	7.68	3.65	7.07	.040	.140	.055	.000	314.00	132.40	
.003733	275.	285.	295.	2	16	0	.00	2842.75	2975.15	

FLOW DISTRIBUTION FOR SECNO= 355.00 CWSEL= 330.15

STA=	132.	407.	1275.	1492.	1531.	1695.	1731.	2254.	2417.	2487.	2572.	2634.	2773.
PER Q=	8.0	5.4	10.2	3.1	15.8	2.5	22.9	13.3	4.4	4.6	4.3	4.4	
AREA=	1354.8	1484.7	1421.7	355.6	1667.2	303.7	7007.3	1798.2	661.2	740.2	627.7	855.9	
VEL=	6.7	4.1	8.0	9.9	10.6	9.3	3.7	8.3	7.4	7.0	7.7	5.7	
DEPTH=	4.9	1.7	6.6	9.1	10.1	8.3	13.4	11.0	9.5	8.7	10.1	6.1	

STA=	2773.	2975.
PER Q=	1.0	
AREA=	382.3	
VEL=	3.0	
DEPTH=	1.9	

1490 NH CARD USED
*SECNO 356.000

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 270.0 3069.9 TYPE= 1 TARGET= -270.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
356.00	14.81	330.81	329.19	.00	332.08	1.27	.94	.28	316.00
112000.	37275.	62353.	12373.	7914.	5511.	2385.	10794.	736.	320.00
1.07	4.71	11.31	5.19	.062	.045	.046	.000	316.00	270.00
.003827	250.	250.	250.	2	15	0	.00	2654.76	2924.76

FLOW DISTRIBUTION FOR SECNO= 356.00 CWSEL= 330.81

STA=	270.	768.	1054.	1300.	1497.	1678.	1813.	1836.	2258.	2455.	2673.	2925.
PER Q=	3.3	3.6	5.0	8.8	6.2	4.0	2.4	55.7	3.9	5.5	1.7	
AREA=	1395.8	1467.4	1679.4	1340.1	1056.2	713.0	262.6	5510.9	789.0	1048.8	546.8	
VEL=	2.6	2.7	3.3	7.3	6.6	6.3	10.3	11.3	5.6	5.8	3.4	
DEPTH=	2.8	5.1	6.8	6.8	5.8	5.3	11.6	13.1	4.0	4.8	2.2	

1490 NH CARD USED

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 327.05 , NOT 330.81 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	.90	1.60	2.75	.00	450.00	77.00	3112.00	2.00	318.00	318.00

*SECNO 358.000
PRESS FLOW BECAUSE EGLWC OF 338.34 EXCEEDS 1.5 DEPTH

3301 HV CHANGED MORE THAN HVINS

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
362.99	338.34	.00	89748.	22782.	3112.	3112.	326.00	324.00	2636.

3470 ENCROACHMENT STATIONS= 400.0 3110.0 TYPE= 1 TARGET= -400.000
CARLTON HILLS BLVD BRIDGE (SPECIAL BRIDGE ROUTINE)

358.00	15.38	331.38	.00	.00	332.14	.76	.06	.00	316.00	
112000.	52173.	48542.	11285.	8954.	5722.	2535.	10818.	740.	326.00	
1.08	5.83	8.48	4.45	.041	.045	.040	.000	316.00	400.00	
.002097	65.	65.	65.	3	0	4	.00	2580.69	2980.69	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 358.00 CWSEL= 331.38

STA=	400.	840.	1090.	1497.	1678.	1813.	1850.	2278.	2490.	2640.	2981.
PER Q=	7.8	8.3	17.3	6.1	3.5	3.6	43.3	3.4	3.8	2.9	
AREA=	1928.8	1595.9	3002.9	1159.9	790.0	476.8	5721.6	868.8	807.5	858.6	
VEL=	4.5	5.9	6.5	5.9	5.0	8.4	8.5	4.4	5.2	3.8	
DEPTH=	4.4	6.4	7.4	6.4	5.9	13.0	13.4	4.1	5.4	2.5	

1490 NH CARD USED
*SECNO 360.000

3470 ENCROACHMENT STATIONS= 275.8 3190.3 TYPE= 1 TARGET= -275.800

360.00	16.51	332.51	327.44	.00	332.93	.42	.69	.10	320.00	
112000.	81278.	18088.	12634.	15899.	2804.	3395.	10972.	760.	320.00	
1.09	5.11	6.45	3.72	.060	.060	.073	.000	316.00	275.80	
.001956	335.	345.	355.	2	16	0	.00	2545.65	2821.45	

FLOW DISTRIBUTION FOR SECNO= 360.00 CWSEL= 332.51

STA=	276.	800.	1248.	1544.	1879.	1920.	2012.	2113.	2187.	2383.	2526.	2624.	2780.
PER Q=	13.1	5.2	3.9	23.9	3.5	9.5	8.5	4.9	16.1	3.1	4.5	3.5	
AREA=	2404.3	2694.7	1925.3	4383.5	594.9	1505.7	1462.7	928.3	2803.6	893.7	982.7	1372.9	
VEL=	6.1	2.2	2.3	6.1	6.5	7.1	6.5	5.9	6.5	3.9	5.1	2.8	
DEPTH=	4.6	6.0	6.5	13.1	14.5	16.4	14.5	12.5	14.3	6.3	10.0	8.8	

STA=	2780.	2821.
PER Q=	.2	
AREA=	145.3	
VEL=	1.7	
DEPTH=	3.5	

1490 NH CARD USED
*SECNO 370.000

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 149.4 3266.0 TYPE= 1 TARGET= -149.400

370.00	15.14	333.14	326.72	.00	333.45	.31	.49	.03	320.00
112000.	85902.	6685.	19412.	18842.	1375.	5051.	11160.	781.	320.00
1.12	4.56	4.86	3.84	.050	.060	.060	.000	318.00	149.40
.001056	345.	345.	350.	2	11	0	.00	2710.50	2859.90

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 370.00 CWSEL= 333.14

STA=	149.	350.	514.	817.	914.	985.	1049.	1245.	1542.	1630.	1725.	1835.	2155.
PER Q=	3.0	3.6	6.7	5.0	5.7	3.1	3.3	7.5	4.9	6.3	6.5	16.8	
AREA=	830.9	845.7	1554.5	819.0	791.2	528.1	1401.0	2633.4	1197.8	1438.7	1555.8	4200.8	
VEL=	4.1	4.8	4.8	6.8	8.0	6.6	2.7	3.2	4.6	4.9	4.7	4.5	
DEPTH=	4.1	5.1	5.1	8.4	11.1	8.2	7.1	8.9	13.6	15.1	14.1	13.1	

STA=	2155.	2234.	2326.	2642.	2740.	2860.
PER Q=	4.2	6.0	12.7	3.3	1.3	
AREA=	1045.0	1375.5	3531.3	994.1	525.9	
VEL=	4.5	4.9	4.0	3.8	2.8	
DEPTH=	13.1	14.9	11.2	10.1	4.4	

1490 NH CARD USED
*SECNO 380.000

380.00	15.51	333.51	327.23	.00	333.91	.40	.41	.04	320.00
112000.	78348.	5091.	28562.	15557.	844.	5853.	11335.	802.	320.00
1.13	5.04	6.03	4.88	.054	.060	.060	.000	318.00	168.43
.001590	320.	320.	320.	2	14	0	.00	2861.33	3029.76

FLOW DISTRIBUTION FOR SECNO= 380.00 CWSEL= 333.51

STA=	168.	778.	975.	1076.	1214.	1758.	1806.	1860.	1931.	2064.	2199.	2262.	2381.
PER Q=	4.8	5.2	6.5	3.6	13.5	3.9	3.6	4.8	8.2	3.5	4.3	8.0	
AREA=	1496.6	1041.4	959.7	730.5	3756.1	721.5	722.8	966.0	1695.4	1002.1	862.0	1602.4	
VEL=	3.6	5.6	7.6	5.5	4.0	6.0	5.6	5.6	5.4	3.9	5.6	5.6	
DEPTH=	2.5	5.3	9.5	5.3	6.9	15.1	13.5	13.5	12.8	7.4	13.5	13.5	

STA=	2381.	2436.	2585.	2817.	2918.	3030.
PER Q=	4.5	7.8	12.0	4.5	1.2	
AREA=	844.5	1732.3	2672.9	1058.5	388.9	
VEL=	6.0	5.1	5.0	4.7	3.3	
DEPTH=	15.2	11.6	11.5	10.5	3.5	

1490 NH CARD USED
*SECNO 390.000

3470 ENCROACHMENT STATIONS= 100.0 3490.0 TYPE= 1 TARGET= -100.000

390.00	16.42	334.42	328.16	.00	334.93	.50	.97	.05	324.00
112000.	58396.	13579.	40025.	10720.	2065.	6968.	11585.	832.	324.00
1.16	5.45	6.58	5.74	.061	.060	.060	.000	318.00	807.89
.002197	520.	520.	520.	2	23	0	.00	2243.43	3051.32

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 390.00 CWSEL= 334.42

STA=	808.	1270.	1661.	1728.	1775.	1822.	1859.	1908.	2195.	2250.	2402.	2780.	2982.
PER Q=	3.1	5.9	4.6	3.2	4.5	4.1	3.9	19.8	3.0	12.1	19.5	13.8	
AREA=	1414.6	1742.0	832.3	583.8	712.8	607.6	663.7	3565.1	598.2	2065.1	3939.5	2494.2	
VEL=	2.4	3.8	6.2	6.2	7.1	7.5	6.5	6.2	5.7	6.6	5.5	6.2	
DEPTH=	3.1	4.5	12.4	12.4	15.2	16.4	13.5	12.4	10.9	13.6	10.4	12.3	

STA=	2982.	3051.
PER Q=	2.4	
AREA=	533.8	
VEL=	5.1	
DEPTH=	7.7	

*SECNO 400.000

DOWNSTREAM END MISSION CREEK DEVELOPMENT

400.00	17.56	335.56	327.67	.00	335.94	.39	.98	.04	320.00
112000.	22890.	54804.	34307.	5247.	11340.	6108.	11872.	869.	320.00
1.19	4.36	4.83	5.62	.040	.075	.040	.000	318.00	396.18
.001326	705.	540.	495.	2	14	0	.00	2986.11	3382.29

FLOW DISTRIBUTION FOR SECNO= 400.00 CWSEL= 335.56

STA=	396.	1508.	1713.	1793.	1870.	1878.	2532.	2576.	2925.	3154.	3323.	3382.
PER Q=	5.9	4.6	5.2	3.9	.7	48.9	3.4	5.7	15.2	5.9	.5	
AREA=	2380.8	1156.5	877.9	727.1	104.8	11339.7	525.6	1615.8	2528.6	1257.1	180.7	
VEL=	2.8	4.5	6.7	6.1	7.9	4.8	7.2	3.9	6.7	5.3	3.3	
DEPTH=	2.1	5.7	11.0	9.3	14.6	17.3	12.0	4.6	11.1	7.4	3.1	

1490 NH CARD USED
*SECNO 410.000

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 930.0 5376.7 TYPE= 1 TARGET= -930.000

410.00	18.58	336.58	328.48	.00	337.29	.71	1.18	.16	320.00
112000.	14098.	80275.	17627.	3119.	10683.	4045.	12198.	923.	320.00
1.22	4.52	7.51	4.36	.041	.065	.040	.000	318.00	1297.41
.002224	672.	700.	726.	2	14	0	.00	3729.63	5134.46

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 410.00 CWSEL= 336.58

STA=	1297.	2808.	3016.	3054.	3065.	3646.	3675.	3860.	4170.	4760.	5134.
PER Q=	3.1	4.7	3.1	1.8	71.7	3.6	3.5	3.4	3.4	1.8	
AREA=	1508.8	1024.8	401.1	183.8	10683.1	404.8	777.5	1004.3	1256.2	601.9	
VEL=	2.3	5.1	8.6	10.8	7.5	10.0	5.0	3.8	3.0	3.4	
DEPTH=	1.0	4.9	10.7	15.6	18.4	13.8	4.2	3.2	2.1	1.6	

1490 NH CARD USED
*SECNO 415.000

3470 ENCROACHMENT STATIONS= 940.0 5263.5 TYPE= 1 TARGET= -940.000

415.00	20.21	338.21	328.26	.00	338.61	.40	1.23	.09	320.00
112000.	12749.	69538.	29713.	5032.	12167.	6962.	12575.	993.	320.00
1.27	2.53	5.72	4.27	.051	.065	.040	.000	318.00	1111.65
.001164	765.	780.	800.	2	11	0	.00	4050.88	5162.52

FLOW DISTRIBUTION FOR SECNO= 415.00 CWSEL= 338.21

STA=	1112.	3199.	3245.	3252.	3865.	3895.	4320.	4715.	5080.	5163.
PER Q=	7.2	3.2	.9	62.1	3.6	12.9	4.4	4.9	.7	
AREA=	4362.1	542.8	127.4	12167.1	491.0	3030.4	1551.2	1612.4	277.2	
VEL=	1.9	6.7	8.3	5.7	8.1	4.8	3.2	3.4	3.0	
DEPTH=	2.1	11.7	17.2	19.9	16.4	7.1	3.9	4.4	3.4	

1490 NH CARD USED
*SECNO 420.000

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 1100.0 5306.6 TYPE= 1 TARGET= -1100.000

420.00	20.86	338.86	329.97	.00	339.45	.59	.74	.09	320.00
112000.	12931.	69245.	29825.	3286.	10307.	5315.	12812.	1035.	320.00
1.29	3.94	6.72	5.61	.043	.075	.040	.000	318.00	1162.71
.002158	480.	480.	480.	2	14	0	.00	3593.70	5085.72

FLOW DISTRIBUTION FOR SECNO= 420.00 CWSEL= 338.86

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

STA=	1163.	3237.	3455.	3467.	3989.	4009.	4032.	4205.	4445.	4720.	5005.	5086.
PER Q=	4.8	4.4	2.3	61.8	3.7	3.1	5.6	5.2	4.6	3.8	.7	
AREA=	2486.8	575.8	223.2	10307.1	357.2	338.6	1056.3	1166.4	1143.9	1037.5	215.5	
VEL=	2.2	8.6	11.7	6.7	11.8	10.3	5.9	5.0	4.5	4.1	3.4	
DEPTH=	1.2	2.6	17.9	19.8	17.9	14.7	6.1	4.9	4.2	3.6	2.7	

*SECNO 421.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 100.0 4120.0 TYPE= 1 TARGET= 4020.000

421.00	14.04	338.04	337.19	.00	343.46	5.42	1.59	2.41	325.00
112000.	6852.	104043.	1105.	371.	5550.	91.	12920.	1052.	328.00
1.29	18.46	18.75	12.10	.040	.050	.040	.000	324.00	2605.98
.011918	375.	375.	375.	3	14	0	.00	467.19	3073.17

FLOW DISTRIBUTION FOR SECNO= 421.00 CWSEL= 338.04

STA=	2606.	2640.	2650.	3049.	3073.
PER Q=	3.8	2.3	92.9	1.0	
AREA=	250.7	120.4	5550.0	91.3	
VEL=	16.9	21.8	18.7	12.1	
DEPTH=	7.3	12.5	13.9	3.8	

CCHV= .300 CEHV= .500
*SECNO 422.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

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

3370 NORMAL BRIDGE, NRD= 53 MIN ELTRD= 344.00 MAX ELLC= 342.00

3470 ENCROACHMENT STATIONS= 600.0 4130.0 TYPE= 1 TARGET= 3530.000
CUYAMACA BRIDGE - UPSTREAM END MISSION CREEK DEVELOPMENT
(NORMAL BRIDGE ROUTINE)

422.00	19.83	343.83	342.30	.00	344.84	1.01	.06	1.32	326.00
112000.	36227.	57459.	18314.	6621.	5791.	3334.	12922.	1053.	326.00
1.29	5.47	9.92	5.49	.040	.030	.040	.000	324.00	600.00
.003788	10.	10.	10.	9	13	0	-2386.72	3285.40	4130.00

FLOW DISTRIBUTION FOR SECNO= 422.00 CWSEL= 343.83

STA=	600.	1995.	2428.	2645.	3045.	3650.	4000.	4130.
PER Q=	26.6	3.2	2.5	51.3	5.0	8.2	3.2	
AREA=	5334.5	882.9	403.2	5791.1	1236.1	1513.4	584.9	
VEL=	5.6	4.1	7.0	9.9	4.5	6.1	6.1	
DEPTH=	3.8	2.0	1.9	14.5	2.0	4.3	4.5	

*SECNO 423.000

3370 NORMAL BRIDGE, NRD= 53 MIN ELTRD= 344.00 MAX ELLC= 342.00

3470 ENCROACHMENT STATIONS= 2530.0 6150.0 TYPE= 1 TARGET= 3620.000

423.00	20.37	344.37	342.28	.00	345.13	.76	.21	.08	326.00
112000.	41259.	50338.	20403.	7949.	5791.	3935.	12947.	1058.	326.00
1.30	5.19	8.69	5.18	.040	.030	.040	.000	324.00	2530.00
.002908	65.	65.	65.	2	13	0	-2754.37	3620.00	6150.00

FLOW DISTRIBUTION FOR SECNO= 423.00 CWSEL= 344.37

STA=	2530.	3995.	4250.	4645.	5045.	5650.	6000.	6150.
PER Q=	30.6	3.5	2.8	44.9	5.6	8.8	3.8	
AREA=	6406.2	860.1	682.9	5791.2	1479.9	1705.5	749.7	
VEL=	5.3	4.5	4.6	8.7	4.2	5.8	5.7	
DEPTH=	4.4	3.4	1.7	14.5	2.4	4.9	5.0	

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

1490 NH CARD USED
*SECNO 424.000

3470 ENCROACHMENT STATIONS= 2510.0 6160.0 TYPE= 1 TARGET= 3650.000

424.00	18.41	344.41	341.99	.00	345.16	.74	.02	.00	326.00
112000.	32059.	62021.	17920.	7899.	7291.	4106.	12951.	1059.	326.00
1.30	4.06	8.51	4.36	.041	.050	.042	.000	326.00	2510.00
.001686	10.	10.	10.	0	25	0	.00	3650.00	6160.00

FLOW DISTRIBUTION FOR SECNO= 424.00 CWSEL= 344.41

STA=	2510.	3991.	4643.	4659.	5055.	5090.	5725.	5969.	6160.
PER Q=	23.8	3.2	1.6	55.4	3.3	4.2	5.2	3.2	
AREA=	6524.6	1128.4	245.7	7290.7	504.3	1453.8	1275.8	872.4	
VEL=	4.1	3.1	7.4	8.5	7.3	3.3	4.6	4.1	
DEPTH=	4.4	1.7	15.6	18.4	14.6	2.3	5.2	4.6	

1490 NH CARD USED
*SECNO 425.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2185.0 5380.0 TYPE= 1 TARGET= 3195.000

425.00	19.35	345.35	336.98	.00	345.52	.17	.19	.17	328.00
112000.	76732.	16968.	18300.	24480.	5843.	4315.	13112.	1079.	328.00
1.32	3.13	2.90	4.24	.045	.075	.045	.000	326.00	2185.00
.000423	285.	225.	215.	2	14	0	.00	3195.00	5380.00

FLOW DISTRIBUTION FOR SECNO= 425.00 CWSEL= 345.35

STA=	2185.	3407.	3511.	3680.	4166.	4366.	4456.	4627.	4806.	5113.	5345.	5380.
PER Q=	25.8	3.5	4.1	8.2	3.4	3.4	8.8	11.4	15.1	14.8	1.6	
AREA=	10293.9	1161.2	1537.8	3574.1	1468.9	1071.6	2443.5	2929.6	5843.5	3782.9	531.6	
VEL=	2.8	3.4	3.0	2.6	2.6	3.5	4.0	4.4	2.9	4.4	3.3	
DEPTH=	8.4	11.1	9.1	7.3	7.3	11.9	14.3	16.3	19.0	16.3	15.0	

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

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 430.000

3470 ENCROACHMENT STATIONS= 2250.0 6820.0 TYPE= 1 TARGET= 4570.000

430.00	19.58	345.58	337.97	.00	345.70	.12	.18	.00	328.00
112000.	58683.	9015.	44302.	24595.	3553.	13465.	13536.	1123.	328.00
1.37	2.39	2.54	3.29	.045	.075	.045	.000	326.00	2250.00
.000318	495.	470.	465.	2	18	0	.00	4570.00	6820.00

FLOW DISTRIBUTION FOR SECNO= 430.00 CWSEL= 345.58

STA=	2250.	3921.	4473.	4811.	5036.	5323.	5505.	5521.	5705.	5850.	6296.	6558.	6820.
PER Q=	16.2	12.4	5.6	4.8	6.5	6.1	.8	8.0	7.5	22.8	6.3	3.1	
AREA=	9406.3	5251.1	2686.3	2063.2	2743.2	2200.1	245.0	3553.0	2271.6	6943.3	2559.9	1689.9	
VEL=	1.9	2.6	2.4	2.6	2.7	3.1	3.6	2.5	3.7	3.7	2.7	2.0	
DEPTH=	5.6	9.5	8.0	9.2	9.6	12.1	15.8	19.3	15.7	15.6	9.8	6.4	

1490 NH CARD USED
*SECNO 440.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2000.0 6650.0 TYPE= 1 TARGET= -2000.000

440.00	17.78	345.78	340.56	.00	345.95	.17	.24	.01	330.00
108000.	68812.	10492.	28697.	20784.	3041.	8753.	13997.	1180.	330.00
1.41	3.31	3.45	3.28	.045	.075	.045	.000	328.00	2000.00
.000665	535.	545.	550.	0	14	0	.00	4614.54	6614.54

FLOW DISTRIBUTION FOR SECNO= 440.00 CWSEL= 345.78

STA=	2000.	3430.	3632.	4209.	4389.	4525.	4719.	5052.	5107.	5119.	5292.	5369.	5523.
PER Q=	14.2	5.7	9.6	3.4	3.3	4.7	18.2	4.0	.7	9.7	3.4	4.0	
AREA=	6503.6	1715.0	3560.6	1221.0	1056.5	1508.4	4235.1	827.8	155.9	3041.0	863.0	1241.9	
VEL=	2.4	3.6	2.9	3.1	3.3	3.3	4.6	5.2	4.7	3.5	4.3	3.5	
DEPTH=	4.5	8.5	6.2	6.8	7.8	7.8	12.7	15.0	13.7	17.6	11.2	8.1	

STA=	5523.	5749.	5939.	6050.	6112.	6409.	6615.
PER Q=	4.2	4.6	3.0	3.2	3.4	.8	
AREA=	1494.8	1479.7	925.3	757.9	1476.7	514.4	
VEL=	3.0	3.3	3.5	4.5	2.5	1.6	
DEPTH=	6.6	7.8	8.3	12.2	5.0	2.5	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 450.000

3470 ENCROACHMENT STATIONS= 2170.0 6949.6 TYPE= 1 TARGET= -2170.000

450.00	17.85	345.85	338.76	.00	346.35	.49	.30	.10	330.00
108000.	33038.	64853.	10109.	15850.	9146.	5941.	14405.	1239.	330.00
1.44	2.08	7.09	1.70	.055	.030	.055	.000	328.00	2170.00
.000441	575.	530.	545.	2	14	0	.00	4571.01	6741.01

FLOW DISTRIBUTION FOR SECNO= 450.00 CWSEL= 345.85

STA=	2170.	2873.	3446.	3741.	4094.	4487.	4641.	4820.	4865.	5378.	5958.	6494.	6741.
PER Q=	3.5	3.0	3.0	3.5	4.2	5.4	6.7	1.2	60.0	6.1	3.1	.1	
AREA=	2707.5	2292.4	1757.6	2022.8	2361.7	1911.7	2311.1	484.7	9145.5	3490.6	2221.5	229.0	
VEL=	1.4	1.4	1.9	1.9	1.9	3.0	3.1	2.7	7.1	1.9	1.5	.5	
DEPTH=	3.9	4.0	6.0	5.7	6.0	12.4	12.9	10.9	17.8	6.0	4.1	.9	

1490 NH CARD USED
*SECNO 460.000

3470 ENCROACHMENT STATIONS= 2370.0 6792.0 TYPE= 1 TARGET= -2370.000

460.00	18.02	346.02	337.39	.00	346.53	.51	.18	.01	330.00
108000.	18026.	82272.	7702.	10689.	12622.	5219.	14715.	1286.	330.00
1.47	1.69	6.52	1.48	.055	.030	.055	.000	328.00	2370.00
.000370	480.	440.	425.	2	11	0	.00	4276.37	6646.37

FLOW DISTRIBUTION FOR SECNO= 460.00 CWSEL= 346.02

STA=	2370.	3321.	4199.	4582.	4626.	5331.	5846.	6646.
PER Q=	3.5	4.0	8.0	1.2	76.2	4.4	2.7	
AREA=	3236.1	3294.4	3669.6	488.7	12621.9	2856.0	2363.3	
VEL=	1.2	1.3	2.4	2.6	6.5	1.7	1.2	
DEPTH=	3.4	3.8	9.6	11.1	17.9	5.6	3.0	

1490 NH CARD USED
*SECNO 470.000

3265 DIVIDED FLOW

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2340.0 6460.0 TYPE= 1 TARGET= -2340.000

470.00	18.41	346.41	342.05	.00	346.99	.58	.44	.02	330.00
108000.	79811.	16016.	12173.	12510.	2551.	3567.	15052.	1347.	330.00
1.49	6.38	6.28	3.41	.045	.070	.045	.000	328.00	2340.00
.001894	790.	480.	430.	2	14	0	.00	3881.79	6422.31

FLOW DISTRIBUTION FOR SECNO= 470.00 CWSEL= 346.41

STA=	2340.	3847.	4279.	4346.	4372.	4424.	4557.	4698.	4765.	4837.	4914.	5002.	5146.
PER Q=	4.9	16.2	6.7	3.0	7.0	4.3	8.2	3.6	3.3	5.5	11.2	14.8	
AREA=	1643.0	3204.9	886.9	386.3	828.6	850.6	1304.6	610.7	608.3	831.1	1354.9	2550.6	
VEL=	3.2	5.5	8.1	8.5	9.2	5.5	6.8	6.3	5.9	7.2	8.9	6.3	
DEPTH=	1.1	7.4	13.4	14.4	16.2	6.4	9.2	9.1	8.4	10.8	15.4	17.7	

STA=	5146.	5597.	5960.	6422.
PER Q=	4.0	4.5	2.7	
AREA=	1320.5	1377.6	868.8	
VEL=	3.3	3.5	3.4	
DEPTH=	2.9	3.8	1.9	

1490 NH CARD USED
*SECNO 480.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

480.00	16.90	346.90	346.47	.00	348.19	1.29	.99	.21	340.00
108000.	42021.	45825.	20155.	5735.	3991.	3410.	15160.	1371.	340.00
1.50	7.33	11.48	5.91	.046	.070	.045	.000	330.00	1452.74
.007519	305.	280.	280.	2	9	0	.00	3180.43	5549.85

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 480.00 CWSEL= 346.90

STA=	1453.	2739.	3362.	3484.	3688.	3867.	3873.	4125.	4740.	5008.	5511.	5550.
PER Q=	4.3	23.4	3.1	3.2	4.6	.3	42.4	10.5	4.2	3.8	.2	
AREA=	879.7	3051.8	477.3	592.7	697.0	36.0	3991.3	1866.4	776.4	705.5	61.2	
VEL=	5.3	8.3	7.1	5.8	7.1	9.0	11.5	6.1	5.8	5.8	4.2	
DEPTH=	.7	4.9	3.9	2.9	3.9	5.9	15.8	3.0	2.9	1.4	1.6	

1490 NH CARD USED
*SECNO 483.000

3301 HV CHANGED MORE THAN HVINS

483.00	18.07	348.07	346.36	.00	348.79	.72	.54	.06	340.00
108000.	45343.	34525.	28132.	7513.	4026.	5213.	15195.	1379.	340.00
1.51	6.04	8.57	5.40	.046	.070	.045	.000	330.00	1459.80
.003933	100.	100.	105.	3	10	0	.00	4162.63	5622.43

FLOW DISTRIBUTION FOR SECNO= 483.00 CWSEL= 348.07

STA=	1460.	2666.	2770.	3360.	3450.	3817.	3855.	4098.	4163.	4768.	5026.	5503.	5622.
PER Q=	3.3	4.0	22.8	3.1	7.3	1.5	32.0	3.1	12.7	5.1	3.6	1.6	
AREA=	1075.1	629.7	3579.0	511.7	1488.6	228.9	4026.3	442.3	2532.5	1051.1	816.0	370.7	
VEL=	3.3	6.9	6.9	6.6	5.3	6.9	8.6	7.5	5.4	5.3	4.7	4.7	
DEPTH=	.9	6.1	6.1	5.6	4.1	6.0	16.6	6.9	4.2	4.1	1.7	3.1	

*SECNO 484.000

484.00	18.73	348.73	346.76	.00	349.27	.54	.46	.02	342.00
108000.	60163.	23233.	24605.	10525.	3391.	4708.	15245.	1391.	342.00
1.51	5.72	6.85	5.23	.045	.070	.045	.000	330.00	1402.19
.003558	110.	115.	160.	2	9	0	.00	3895.41	5297.61

FLOW DISTRIBUTION FOR SECNO= 484.00 CWSEL= 348.73

STA=	1402.	2690.	2965.	3370.	3473.	3651.	3795.	4061.	4422.	4998.	5298.
PER Q=	16.2	9.2	17.7	3.4	4.3	4.8	21.5	12.1	9.4	1.3	
AREA=	3965.9	1578.2	2721.2	589.1	843.5	827.5	3390.5	2068.2	2147.0	492.8	
VEL=	4.4	6.3	7.0	6.3	5.6	6.3	6.9	6.3	4.7	2.8	
DEPTH=	3.1	5.7	6.7	5.7	4.7	5.7	12.7	5.7	3.7	1.6	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 485.000
CHUBB LANE CROSSING

485.00	8.73	348.73	346.92	.00	349.32	.60	.04	.02	342.00
108000.	67182.	13345.	27473.	10521.	2264.	4706.	15249.	1392.	342.00
1.51	6.39	5.89	5.84	.045	.070	.045	.000	340.00	1402.24
.004442	10.	10.	10.	2	22	0	.00	3895.32	5297.56

FLOW DISTRIBUTION FOR SECNO= 485.00 CWSEL= 348.73

STA=	1402.	2690.	2965.	3370.	3473.	3651.	3795.	4061.	4422.	4998.	5298.
PER Q=	18.1	10.3	19.8	3.8	4.8	5.4	12.4	13.5	10.5	1.4	
AREA=	3963.4	1577.7	2720.5	588.9	843.1	827.2	2264.4	2067.5	2145.9	492.2	
VEL=	4.9	7.0	7.8	7.0	6.2	7.0	5.9	7.0	5.3	3.1	
DEPTH=	3.1	5.7	6.7	5.7	4.7	5.7	8.5	5.7	3.7	1.6	

*SECNO 486.000

486.00	18.86	348.86	346.73	.00	349.37	.51	.04	.01	342.00
108000.	60434.	22688.	24878.	10848.	3426.	4875.	15254.	1393.	342.00
1.51	5.57	6.62	5.10	.045	.070	.045	.000	330.00	1399.10
.003276	10.	10.	10.	2	12	0	.00	3902.03	5301.13

FLOW DISTRIBUTION FOR SECNO= 486.00 CWSEL= 348.86

STA=	1399.	2690.	2965.	3370.	3473.	3651.	3795.	4061.	4422.	4998.	5301.
PER Q=	16.6	9.2	17.5	3.4	4.4	4.8	21.0	12.0	9.6	1.4	
AREA=	4139.6	1615.3	2775.7	603.0	867.5	847.0	3426.4	2116.8	2224.5	533.4	
VEL=	4.3	6.1	6.8	6.1	5.4	6.1	6.6	6.1	4.7	2.8	
DEPTH=	3.2	5.9	6.9	5.9	4.9	5.9	12.9	5.9	3.9	1.8	

1490 NH CARD USED
*SECNO 490.000

490.00	19.34	349.34	347.16	.00	349.91	.57	.52	.02	336.00
108000.	77708.	14504.	15788.	12549.	1934.	4957.	15331.	1408.	336.00
1.52	6.19	7.50	3.19	.040	.070	.075	.000	330.00	1339.24
.002698	175.	175.	175.	2	13	0	.00	3581.21	4920.44

FLOW DISTRIBUTION FOR SECNO= 490.00 CWSEL= 349.34

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

STA=	1339.	2452.	3056.	3464.	3544.	3616.	3687.	3749.	3798.	3905.	4712.	4920.
PER Q=	14.3	17.6	20.2	4.0	3.6	3.5	4.4	4.4	13.4	13.9	.7	
AREA=	3615.8	3227.7	2992.6	588.7	528.5	518.2	561.5	515.8	1934.0	4553.4	403.4	
VEL=	4.3	5.9	7.3	7.3	7.3	7.3	8.4	9.3	7.5	3.3	1.8	
DEPTH=	3.3	5.3	7.3	7.3	7.3	7.3	9.1	10.5	18.0	5.6	1.9	

1490 NH CARD USED
*SECNO 500.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

500.00	20.04	350.04	346.27	.00	350.62	.58	.71	.00	334.00
105000.	35784.	36087.	33129.	9632.	4624.	5468.	15558.	1450.	334.00
1.55	3.72	7.80	6.06	.034	.040	.030	.000	330.00	1172.89
.000851	495.	510.	525.	2	13	0	.00	3769.50	4942.39

FLOW DISTRIBUTION FOR SECNO= 500.00 CWSEL= 350.04

STA=	1173.	2735.	3340.	3696.	3752.	3767.	4005.	4113.	4175.	4396.	4599.	4942.
PER Q=	3.7	11.9	12.7	4.0	1.9	34.4	8.8	6.3	12.7	3.0	.7	
AREA=	3325.1	2978.7	2507.3	594.8	225.7	4624.0	1244.2	822.3	2068.7	841.7	491.6	
VEL=	1.2	4.2	5.3	7.0	8.8	7.8	7.4	8.1	6.5	3.8	1.5	
DEPTH=	2.1	4.9	7.0	10.6	15.0	19.4	11.6	13.2	9.4	4.1	1.4	

1490 NH CARD USED
*SECNO 507.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

507.00	16.71	350.71	350.71	.00	353.07	2.36	.74	.54	342.00
105000.	15728.	85742.	3530.	3926.	6360.	546.	15728.	1489.	342.00
1.56	4.01	13.48	6.47	.036	.040	.041	.000	334.00	1535.19
.003633	510.	470.	450.	0	9	0	.00	3060.92	4880.50

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

FLOW DISTRIBUTION FOR SECNO= 507.00 CWSEL= 350.71

STA=	1535.	3070.	3488.	3861.	4290.	4332.	4880.
PER Q=	6.9	6.2	1.8	81.7	3.1	.3	
AREA=	2379.9	1130.5	415.1	6360.5	351.5	194.1	
VEL=	3.0	5.8	4.6	13.5	9.1	1.7	
DEPTH=	1.6	2.7	1.1	14.8	8.3	.4	

CCHV= .300 CEHV= .500
*SECNO 508.000

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 352.000 EGLC= 353.711 EGC= 353.718 WSEL= 352.058

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 49 MIN ELTRD= 352.00 MAX ELLC= 352.00

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

MAGNOLIA AVE BRIDGE (NORMAL BRIDGE ROUTINE)

508.00	18.00	352.00	352.00	.00	353.71	1.71	.05	.20	342.00	
105000.	32638.	69341.	3020.	5279.	5730.	408.	15731.	1490.	342.00	
1.56	6.18	12.10	7.41	.040	.030	.040	.000	334.00	1510.00	
.006806	10.	10.	10.	0	14	0	-1254.50	2759.10	4360.70	

FLOW DISTRIBUTION FOR SECNO= 508.00 CWSEL= 352.00

STA=	1510.	3070.	3488.	3675.	3861.	4290.	4361.
PER Q=	14.5	12.3	3.4	.9	66.0	2.9	
AREA=	2860.0	1670.4	562.5	186.0	5730.4	407.8	
VEL=	5.3	7.7	6.4	5.0	12.1	7.4	
DEPTH=	1.8	4.0	3.0	1.0	13.4	5.7	

*SECNO 509.000

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

4575 CRITICAL DEPTH ASSUMED BELOW ELLC OF 352.000 EGLC= 353.709 EGC= 353.720 WSEL= 352.057

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3370 NORMAL BRIDGE, NRD= 49 MIN ELTRD= 352.00 MAX ELLC= 352.00

509.00	19.55	353.55	352.00	.00	354.30	.75	.30	.29	336.00
105000.	50630.	48426.	5944.	9176.	5693.	2170.	15752.	1495.	342.00
1.56	5.52	8.51	2.74	.040	.030	.040	.000	334.00	1382.28
.003355	65.	65.	65.	5	14	0	-2250.39	4609.58	5991.85

FLOW DISTRIBUTION FOR SECNO= 509.00 CWSEL= 353.55

STA=	1382.	2420.	3070.	3488.	3675.	3889.	4322.	5050.	5992.
PER Q=	9.0	16.6	14.9	4.8	2.9	46.1	3.2	2.4	
AREA=	2417.7	2956.3	2316.9	852.8	632.4	5693.2	1131.2	1038.7	
VEL=	3.9	5.9	6.7	5.9	4.8	8.5	3.0	2.4	
DEPTH=	2.3	4.5	5.5	4.5	3.0	13.1	1.6	1.1	

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 510.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

510.00	21.07	353.07	349.47	.00	354.54	1.47	.02	.22	342.00
105000.	8566.	80123.	16311.	5246.	7468.	2485.	15756.	1496.	341.00
1.56	1.63	10.73	6.56	.099	.040	.031	.000	332.00	1410.15
.001884	10.	10.	10.	2	18	0	.00	2871.08	4874.89

FLOW DISTRIBUTION FOR SECNO= 510.00 CWSEL= 353.07

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

STA=	1410.	3502.	3885.	4317.	4451.	4561.	4643.	4875.
PER Q=	5.3	2.9	76.3	4.9	5.6	3.4	1.6	
AREA=	4238.3	1007.7	7468.1	799.9	751.6	500.6	433.3	
VEL=	1.3	3.0	10.7	6.5	7.8	7.2	4.0	
DEPTH=	2.0	2.6	17.3	6.0	6.9	6.1	1.9	

1490 NH CARD USED
*SECNO 515.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

515.00	22.50	354.50	341.49	.00	354.85	.35	.20	.11	334.00
105000.	31950.	64770.	8281.	12667.	11508.	2345.	15886.	1518.	334.00
1.58	2.52	5.63	3.53	.051	.040	.040	.000	332.00	1094.29
.000363	250.	275.	350.	2	14	0	.00	4040.13	5963.66

FLOW DISTRIBUTION FOR SECNO= 515.00 CWSEL= 354.50

STA=	1094.	3615.	3935.	4448.	4527.	5964.
PER Q=	3.9	26.5	61.7	5.5	2.4	
AREA=	6994.0	5672.7	11508.1	1279.7	1065.6	
VEL=	.6	4.9	5.6	4.5	2.3	
DEPTH=	2.8	17.7	22.4	16.3	.7	

1490 NH CARD USED
*SECNO 520.000

3265 DIVIDED FLOW

520.00	22.39	354.39	343.31	.00	355.21	.82	.22	.14	334.00
105000.	13180.	86601.	5219.	8468.	10963.	1275.	16180.	1561.	334.00
1.60	1.56	7.90	4.09	.071	.031	.040	.000	332.00	1628.30
.000451	515.	560.	590.	2	8	0	.00	3033.27	5411.42

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 520.00 CWSEL= 354.39

STA=	1628.	3965.	4348.	4855.	4920.	5411.
PER Q=	3.1	9.5	82.5	4.2	.8	
AREA=	5042.2	3425.6	10962.7	941.1	334.2	
VEL=	.6	2.9	7.9	4.7	2.4	
DEPTH=	2.2	8.9	21.6	14.6	.7	

1490 NH CARD USED
*SECNO 530.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

530.00	20.26	354.26	347.07	.00	355.83	1.57	.39	.23	334.00
105000.	11836.	75351.	17813.	5459.	6606.	2676.	16435.	1600.	334.00
1.62	2.17	11.41	6.66	.063	.030	.040	.000	334.00	2595.63
.000960	640.	620.	610.	2	11	0	.00	2330.59	5982.75

FLOW DISTRIBUTION FOR SECNO= 530.00 CWSEL= 354.26

STA=	2596.	4012.	4155.	4190.	4590.	4648.	5983.
PER Q=	4.3	3.0	4.0	9.5	5.9	1.5	
AREA=	4064.1	826.3	568.4	1284.6	881.9	509.7	
VEL=	1.1	3.9	7.3	7.7	7.1	3.2	
DEPTH=	2.9	5.8	16.3	3.2	15.3	.4	

1490 NH CARD USED
*SECNO 535.000

3301 HV CHANGED MORE THAN HVINS

535.00	20.08	354.08	348.84	.00	356.37	2.29	.32	.21	336.00
105000.	8357.	79200.	17442.	4431.	5838.	2483.	16524.	1616.	336.00
1.62	1.89	13.57	7.03	.073	.031	.040	.000	334.00	227.95
.001429	290.	280.	275.	2	11	0	.00	2570.05	2798.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 535.00 CWSEL= 354.08

STA=	228.	1987.	2117.	2120.	2411.	2445.	2479.	2515.	2635.	2798.
PER Q=	4.3	3.3	.3	75.4	5.2	4.1	3.6	3.5	.3	
AREA=	3668.5	718.6	44.4	5837.6	582.6	502.3	480.2	735.5	182.2	
VEL=	1.2	4.8	8.0	13.6	9.3	8.6	7.8	4.9	1.9	
DEPTH=	2.1	5.5	17.1	20.0	17.1	15.1	13.1	6.1	1.1	

1490 NH CARD USED
*SECNO 540.000

540.00	20.55	354.55	347.83	.00	356.84	2.29	.47	.00	336.00
105000.	7551.	90076.	7373.	2095.	6958.	1164.	16617.	1633.	336.00
1.63	3.60	12.95	6.33	.046	.030	.040	.000	334.00	939.73
.001259	365.	350.	335.	2	19	0	.00	1693.80	2633.53

FLOW DISTRIBUTION FOR SECNO= 540.00 CWSEL= 354.55

STA=	940.	2028.	2056.	2395.	2417.	2460.	2634.
PER Q=	3.2	4.0	85.8	3.0	3.2	.8	
AREA=	1615.9	479.5	6957.7	366.3	502.9	294.8	
VEL=	2.1	8.7	12.9	8.6	6.8	2.8	
DEPTH=	1.5	17.0	20.5	17.0	11.5	1.7	

1490 NH CARD USED
*SECNO 550.000

3301 HV CHANGED MORE THAN HVINS

550.00	21.88	355.88	349.13	.00	357.64	1.75	.74	.05	336.00
105000.	17203.	69673.	18124.	3154.	5665.	2714.	16779.	1655.	336.00
1.65	5.45	12.30	6.68	.041	.030	.040	.000	334.00	1134.53
.001045	645.	650.	655.	2	15	0	.00	1247.34	2381.87

FLOW DISTRIBUTION FOR SECNO= 550.00 CWSEL= 355.88

STA=	1135.	1828.	1894.	2153.	2199.	2281.	2334.	2382.
PER Q=	6.4	10.0	66.4	5.9	6.3	3.7	1.3	
AREA=	1914.9	1239.3	5664.7	785.5	1020.0	627.6	280.9	
VEL=	3.5	8.5	12.3	7.9	6.5	6.3	4.9	
DEPTH=	2.8	18.8	21.8	17.0	12.5	11.9	5.8	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 560.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

560.00	23.07	357.07	347.28	.00	358.19	1.12	.49	.06	336.00
105000.	8443.	59720.	36837.	2452.	5979.	5707.	16956.	1674.	336.00
1.67	3.44	9.99	6.45	.050	.031	.040	.000	334.00	536.73
.000665	605.	600.	595.	2	14	0	.00	1515.54	2257.54

FLOW DISTRIBUTION FOR SECNO= 560.00 CWSEL= 357.07

STA=	537.	1592.	1638.	1898.	2061.	2121.	2209.	2258.
PER Q=	3.1	5.0	56.9	22.0	5.9	6.5	.7	
AREA=	1526.9	925.3	5978.9	3265.7	994.4	1227.1	220.0	
VEL=	2.1	5.7	10.0	7.1	6.2	5.6	3.4	
DEPTH=	1.4	20.1	23.0	20.1	16.4	14.1	4.5	

1490 NH CARD USED
*SECNO 562.000

562.00	23.49	357.49	346.77	.00	358.39	.89	.17	.02	336.00
105000.	10301.	44833.	49865.	3170.	4776.	7889.	17053.	1684.	336.00
1.68	3.25	9.39	6.32	.052	.031	.040	.000	334.00	272.44
.000570	280.	280.	285.	2	11	0	.00	1548.68	1821.12

FLOW DISTRIBUTION FOR SECNO= 562.00 CWSEL= 357.49

STA=	272.	1128.	1181.	1385.	1453.	1485.	1556.	1601.	1633.	1698.	1780.	1821.
PER Q=	4.2	5.6	42.7	10.3	5.1	10.0	4.9	3.2	6.5	6.2	1.2	
AREA=	2069.2	1100.6	4775.9	1531.9	742.4	1526.2	836.0	561.6	1142.4	1217.5	331.1	
VEL=	2.2	5.3	9.4	7.1	7.3	6.9	6.2	6.0	6.0	5.4	3.9	
DEPTH=	2.4	20.5	23.5	22.5	23.5	21.5	18.5	17.5	17.5	14.8	8.1	

1490 NH CARD USED
*SECNO 564.000

564.00	23.74	357.74	346.23	.00	358.52	.78	.12	.01	336.00
105000.	13809.	54495.	36696.	3433.	6570.	6103.	17134.	1692.	336.00
1.69	4.02	8.29	6.01	.051	.034	.040	.000	334.00	290.20
.000540	220.	220.	220.	2	11	0	.00	1397.86	1688.05

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 564.00 CWSEL= 357.74

STA=	290.	960.	1053.	1332.	1507.	1540.	1592.	1647.	1688.
PER Q=	3.5	9.6	51.9	22.5	3.6	4.7	3.4	.7	
AREA=	1497.7	1935.0	6570.0	3623.2	616.5	875.5	738.9	249.1	
VEL=	2.5	5.2	8.3	6.5	6.1	5.6	4.9	3.1	
DEPTH=	2.2	20.7	23.5	20.7	18.7	16.7	13.4	6.1	

*SECNO 566.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

566.00	22.90	356.90	349.59	.00	359.18	2.28	.21	.45	338.00
105000.	7925.	85661.	11414.	2789.	6453.	2395.	17223.	1699.	338.00
1.70	2.84	13.28	4.77	.085	.030	.060	.000	334.00	542.78
.001134	280.	280.	280.	2	14	0	.00	923.77	1466.55

FLOW DISTRIBUTION FOR SECNO= 566.00 CWSEL= 356.90

STA=	543.	897.	967.	972.	1258.	1312.	1359.	1467.
PER Q=	3.4	3.8	.4	81.6	5.3	3.1	2.5	
AREA=	1604.0	1088.7	96.7	6452.6	976.2	669.0	750.1	
VEL=	2.2	3.7	3.9	13.3	5.7	4.9	3.4	
DEPTH=	4.5	15.7	17.9	22.6	17.9	14.2	7.0	

*SECNO 570.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

570.00	21.48	355.48	352.67	.00	360.46	4.99	.47	.81	336.00
105000.	7965.	84701.	12333.	1618.	4297.	1740.	17285.	1704.	336.00
1.70	4.92	19.71	7.09	.085	.030	.060	.000	334.00	1056.45
.002674	285.	280.	280.	3	16	0	.00	507.65	2004.69

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 570.00 CWSEL= 355.48

STA=	1056.	1580.	1627.	1643.	1843.	1868.	1915.	1975.	2005.
PER Q=	3.2	3.1	1.3	80.7	3.6	4.9	3.0	.1	
AREA=	737.7	634.7	245.5	4297.1	440.1	678.9	556.6	64.6	
VEL=	4.6	5.1	5.5	19.7	8.7	7.6	5.8	2.3	
DEPTH=	1.4	13.5	16.0	21.4	17.9	14.5	9.3	2.2	

*SECNO 572.000

3301 HV CHANGED MORE THAN HVINS

572.00	23.18	357.18	351.71	.00	360.98	3.81	.40	.12	336.00
105000.	7306.	87966.	9727.	1975.	5185.	1683.	17321.	1707.	336.00
1.71	3.70	16.97	5.78	.085	.030	.060	.000	334.00	225.66
.001787	200.	187.	178.	2	12	0	.00	1002.97	1228.63

FLOW DISTRIBUTION FOR SECNO= 572.00 CWSEL= 357.18

STA=	226.	832.	1056.	1097.	1153.	1229.
PER Q=	7.0	83.8	5.3	3.0	.9	
AREA=	1974.7	5184.5	762.9	619.8	300.7	
VEL=	3.7	17.0	7.3	5.2	3.2	
DEPTH=	3.3	23.1	18.5	11.1	4.0	

*SECNO 574.000

3301 HV CHANGED MORE THAN HVINS

574.00	24.99	358.99	349.23	.00	361.38	2.39	.25	.14	336.00
105000.	3032.	95672.	6297.	1312.	7393.	1385.	17364.	1712.	336.00
1.71	2.31	12.94	4.55	.085	.030	.060	.000	334.00	188.12
.000940	210.	200.	190.	2	14	0	.00	981.96	1170.08

FLOW DISTRIBUTION FOR SECNO= 574.00 CWSEL= 358.99

STA=	188.	748.	1044.	1081.	1170.
PER Q=	2.9	91.1	4.1	1.9	
AREA=	1312.0	7392.8	760.0	625.2	
VEL=	2.3	12.9	5.6	3.3	
DEPTH=	2.3	25.0	20.3	7.0	

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

*SECNO 576.000

3301 HV CHANGED MORE THAN HVINS

576.00	24.69	358.69	351.29	.00	361.78	3.10	.19	.21	338.00
105000.	3322.	85356.	16322.	937.	5538.	2653.	17402.	1715.	338.00
1.71	3.54	15.41	6.15	.085	.030	.060	.000	334.00	502.56
.001375	190.	170.	165.	2	19	0	.00	641.87	1144.43

FLOW DISTRIBUTION FOR SECNO= 576.00 CWSEL= 358.69

STA=	503.	733.	959.	1049.	1096.	1144.
PER Q=	3.2	81.3	11.2	4.0	.3	
AREA=	937.3	5537.8	1762.0	728.8	162.0	
VEL=	3.5	15.4	6.7	5.7	2.2	
DEPTH=	4.1	24.5	19.7	15.6	3.3	

*SECNO 582.000

3301 HV CHANGED MORE THAN HVINS

582.00	24.15	360.15	352.20	.00	362.28	2.13	.40	.10	338.00
105000.	7317.	71570.	26113.	2355.	5202.	4673.	17481.	1721.	338.00
1.72	3.11	13.76	5.59	.085	.030	.060	.000	336.00	204.25
.001113	335.	330.	310.	3	14	0	.00	1015.24	1219.50

FLOW DISTRIBUTION FOR SECNO= 582.00 CWSEL= 360.15

STA=	204.	643.	693.	698.	914.	1044.	1107.	1141.	1219.
PER Q=	3.5	3.0	.4	68.2	14.1	6.2	3.3	1.2	
AREA=	1406.5	838.8	110.0	5201.7	2499.8	1141.4	611.5	420.6	
VEL=	2.6	3.8	4.3	13.8	5.9	5.7	5.7	3.1	
DEPTH=	3.2	16.8	21.1	24.1	19.2	18.1	18.1	5.3	

*SECNO 584.000

584.00	24.61	360.61	351.66	.00	362.51	1.90	.21	.02	338.00
105000.	7608.	71768.	25624.	2443.	5523.	5010.	17539.	1726.	338.00
1.73	3.11	12.99	5.11	.085	.030	.060	.000	336.00	195.10
.000968	210.	200.	190.	2	14	0	.00	1082.08	1277.18

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

FLOW DISTRIBUTION FOR SECNO= 584.00 CWSEL= 360.61

STA=	195.	633.	858.	993.	1067.	1277.
PER Q=	7.2	68.4	15.3	6.5	2.6	
AREA=	2442.9	5523.4	2778.0	1303.0	928.8	
VEL=	3.1	13.0	5.8	5.2	3.0	
DEPTH=	5.6	24.5	20.6	17.6	4.4	

*SECNO 586.000

3265 DIVIDED FLOW

586.00	24.87	360.87	351.48	.00	362.72	1.85	.20	.01	338.00
105000.	9181.	63094.	32725.	2476.	4709.	5781.	17600.	1731.	338.00
1.73	3.71	13.40	5.66	.085	.030	.060	.000	336.00	268.20
.001016	205.	205.	205.	2	14	0	.00	967.61	1339.59

FLOW DISTRIBUTION FOR SECNO= 586.00 CWSEL= 360.87

STA=	268.	583.	773.	930.	1013.	1340.
PER Q=	8.7	60.1	20.2	9.1	1.9	
AREA=	2476.0	4708.8	3429.1	1653.1	698.7	
VEL=	3.7	13.4	6.2	5.8	2.8	
DEPTH=	7.9	24.8	21.9	19.9	2.1	

*SECNO 592.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

592.00	24.00	360.00	354.78	.00	363.87	3.87	.55	.61	338.00
105000.	7621.	68119.	29260.	1411.	3607.	3930.	17696.	1738.	338.00
1.74	5.40	18.89	7.45	.085	.030	.060	.000	336.00	202.19
.002169	375.	380.	385.	3	15	0	.00	611.25	1493.01

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 592.00 CWSEL= 360.00

STA=	202.	444.	598.	671.	724.	748.	817.	1493.
PER Q=	7.3	64.9	11.9	8.6	3.5	3.0	.8	
AREA=	1410.8	3606.6	1476.6	1062.2	448.5	597.3	345.1	
VEL=	5.4	18.9	8.5	8.5	8.2	5.3	2.5	
DEPTH=	5.8	23.5	20.1	20.0	19.0	8.7	.5	

*SECNO 594.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

594.00	21.18	361.18	361.18	.00	366.09	4.90	1.30	.31	342.00
105000.	14189.	54761.	36050.	677.	3118.	2161.	17735.	1741.	342.00
1.74	20.96	17.56	16.68	.075	.125	.065	.000	340.00	567.49
.038028	230.	230.	230.	0	13	0	.00	629.97	1890.10

FLOW DISTRIBUTION FOR SECNO= 594.00 CWSEL= 361.18

STA=	567.	609.	631.	780.	790.	801.	823.	901.	1076.	1820.	1880.	1890.
PER Q=	4.8	8.7	52.2	5.5	4.5	6.6	6.9	4.0	3.4	3.2	.1	
AREA=	312.9	364.1	3118.1	190.9	168.3	284.5	485.4	394.1	345.2	274.5	17.9	
VEL=	16.2	25.0	17.6	30.5	28.2	24.3	14.9	10.7	10.5	12.3	7.0	
DEPTH=	7.5	17.1	20.9	18.2	16.2	12.9	6.2	2.3	.5	4.5	1.8	

*SECNO 600.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
600.00	25.47	367.47	361.25	.00	368.74	1.27	2.29	.36	346.00
105000.	26795.	45827.	32377.	2402.	5012.	4867.	17767.	1745.	346.00
1.75	11.16	9.14	6.65	.075	.125	.065	.000	342.00	561.05
.008119	145.	150.	155.	2	12	0	.00	1588.39	2236.41

FLOW DISTRIBUTION FOR SECNO= 600.00 CWSEL= 367.47

STA=	561.	694.	714.	757.	779.	979.	1002.	1386.	1639.	1833.	2011.	2086.	2171.
PER Q=	5.6	4.0	10.3	5.6	43.6	4.1	3.0	3.6	3.0	4.6	6.1	5.8	
AREA=	766.0	354.1	837.3	444.2	5011.6	351.6	763.1	830.4	672.0	711.2	698.8	715.8	
VEL=	7.7	11.8	12.9	13.3	9.1	12.1	4.2	4.6	4.7	6.8	9.1	8.6	
DEPTH=	5.8	17.3	19.5	20.5	25.0	15.7	2.0	3.3	3.5	4.0	9.4	8.5	

STA=	2171.	2236.
PER Q=	.6	
AREA=	124.4	
VEL=	4.7	
DEPTH=	1.9	

*SECNO 610.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

610.00	27.22	369.22	353.47	.00	369.46	.24	.62	.10	346.00
105000.	3668.	23825.	77507.	1257.	8001.	18580.	17922.	1761.	346.00
1.77	2.92	2.98	4.17	.075	.125	.065	.000	342.00	178.62
.000799	295.	315.	355.	3	14	0	.00	2402.60	2581.23

FLOW DISTRIBUTION FOR SECNO= 610.00 CWSEL= 369.22

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

STA=	179.	320.	623.	792.	1148.	1268.	1382.	1430.	1495.	1717.	1760.	1833.	2520.
PER Q=	3.5	22.7	4.7	4.5	13.8	3.6	3.2	7.5	22.4	4.3	6.7	3.0	
AREA=	1257.0	8000.8	1584.9	1662.2	2779.7	1162.8	800.2	1493.3	4741.0	916.9	1464.3	1936.9	
VEL=	2.9	3.0	3.1	2.9	5.2	3.3	4.2	5.3	5.0	5.0	4.8	1.6	
DEPTH=	8.9	26.4	9.4	4.7	23.0	10.3	16.4	23.2	21.3	21.2	20.2	2.8	

STA=	2520.	2581.
PER Q=	.0	
AREA=	37.5	
VEL=	.5	
DEPTH=	.6	

*SECNO 620.000

3265 DIVIDED FLOW

620.00	25.53	369.53	355.96	.00	369.94	.41	.43	.05	364.00
105000.	603.	33603.	70795.	293.	9361.	12296.	18147.	1781.	364.00
1.79	2.06	3.59	5.76	.075	.125	.065	.000	344.00	229.24
.001549	395.	395.	395.	2	14	0	.00	2059.04	2511.49

FLOW DISTRIBUTION FOR SECNO= 620.00 CWSEL= 369.53

STA=	229.	299.	732.	819.	846.	966.	1009.	1064.	1115.	1186.	1685.	2490.	2511.
PER Q=	.6	32.0	3.9	4.2	19.9	8.1	9.6	7.9	5.7	5.1	3.0	.0	
AREA=	292.8	9360.8	892.7	617.0	2826.6	1093.0	1329.8	1160.6	1084.6	1478.1	1797.1	16.5	
VEL=	2.1	3.6	4.6	7.1	7.4	7.7	7.6	7.2	5.6	3.6	1.8	.8	
DEPTH=	4.2	21.6	10.2	22.9	23.5	25.4	24.5	22.5	15.3	3.0	2.2	.8	

*SECNO 630.000

3265 DIVIDED FLOW

630.00	25.95	369.95	357.66	.00	370.35	.40	.41	.00	348.00
105000.	6640.	24733.	73626.	1752.	6749.	13330.	18289.	1793.	348.00
1.81	3.79	3.66	5.52	.075	.125	.065	.000	344.00	248.55
.001317	235.	265.	295.	2	11	0	.00	1582.19	1963.36

PROFILE 1 - 112,000 CFS

SUMMARY PRINTOUT

	SECNO	STCHL	XLBEL	STCHR	RBEL	K*XNL	K*XNCH	K*XNR	XLCH	K*CHSL	AREA	CASE	OLOSS
*	100.000	340.80	280.00	600.70	280.00	80.00	180.00	80.00	.00	.00	4991.46	1.00	.00
*	110.000	339.70	280.00	600.30	280.00	80.00	180.00	80.00	45.00	88.89	6681.76	16384.00	.31
*	120.000	354.50	280.00	602.50	280.00	80.00	180.00	80.00	55.00	.00	8562.40	16384.00	.18
*	130.000	353.00	280.00	583.50	280.00	80.00	180.00	80.00	520.00	3.85	13157.12	16384.00	.17
	140.000	242.60	284.00	482.40	284.00	80.00	180.00	80.00	555.00	.00	11917.88	.00	.07
*	150.000	273.60	290.00	738.10	290.00	80.00	160.00	35.00	580.00	6.90	28332.60	16384.00	.11
*	160.000	1331.10	292.00	1412.30	290.00	70.59	80.00	42.17	670.00	2.99	39362.67	16384.00	.03
*	170.000	1483.20	292.00	1544.10	290.00	59.74	80.00	47.02	320.00	.00	50516.42	16384.00	.00
	180.000	1530.00	292.00	1759.00	290.00	39.54	80.00	40.00	550.00	7.27	49222.50	.00	.00
	190.000	1576.30	296.00	1809.70	290.00	31.53	80.00	42.86	505.00	.00	44788.39	.00	.01
*	200.000	1439.70	296.00	1562.70	294.00	110.05	125.00	41.65	740.00	.00	48026.77	16384.00	.00
	209.000	1233.40	298.00	1479.20	294.00	110.66	125.00	40.00	390.00	.00	48321.02	.00	.00
	210.000	1233.40	298.00	1479.20	294.00	100.22	125.00	40.00	10.00	.00	40693.80	.00	.02
	211.000	1233.40	298.00	1479.20	294.00	110.62	125.00	40.00	10.00	.00	48398.45	.00	.01
	220.000	745.80	292.00	1065.00	292.00	40.00	200.00	40.00	810.00	2.47	38127.05	.00	.02
	230.000	941.10	292.00	1142.70	292.00	40.00	200.00	40.00	490.00	.00	32170.51	.00	.02
*	239.000	2398.50	294.00	2724.40	294.00	40.00	200.00	40.00	420.00	4.76	25887.97	16384.00	.07
*	240.000	2519.30	306.00	3031.90	310.00	40.00	200.00	40.00	230.00	.00	15693.75	16384.00	.16
	242.000	2519.30	306.00	3031.90	310.00	30.00	40.00	30.00	10.00	.00	10979.65	.00	.32
	243.000	2480.00	313.00	3001.90	300.00	30.00	40.00	30.00	65.00	.00	11789.70	.00	.07
	244.000	2550.50	310.00	3075.60	310.00	40.00	140.00	55.00	10.00	.00	17549.73	.00	.07
*	245.000	928.40	292.00	1396.30	292.00	40.00	140.00	55.00	165.00	.00	29113.01	16384.00	.03
	250.000	2566.70	294.00	2740.60	294.00	43.06	140.00	66.64	740.00	.00	27605.51	.00	.01
*	260.000	2375.20	300.00	2544.60	300.00	91.11	140.00	55.00	1025.00	3.90	16611.96	16384.00	.22

	SECNO	STCHL	XLBEL	STCHR	RBEL	K*XNL	K*XNCH	K*XNR	XLCH	K*CHSL	AREA	CASE	OLOSS
	430.000	5520.60	328.00	5704.90	328.00	45.30	75.00	45.00	470.00	.00	41612.67	.00	.00
*	440.000	5118.70	330.00	5291.80	330.00	45.02	75.00	45.00	545.00	3.67	32578.30	16384.00	.01
	450.000	4864.80	330.00	5377.90	330.00	55.00	30.00	55.00	530.00	.00	30936.19	.00	.10
	460.000	4626.20	330.00	5331.20	330.00	55.00	30.00	55.00	440.00	.00	28529.82	.00	.01
*	470.000	5002.10	330.00	5145.90	330.00	45.10	70.00	45.00	480.00	.00	18627.25	16384.00	.02
*	480.000	3872.70	340.00	4124.90	340.00	45.57	70.00	45.00	280.00	7.14	13135.51	16384.00	.21
	483.000	3854.90	340.00	4098.10	340.00	45.51	70.00	45.00	100.00	.00	16751.82	.00	.06
	484.000	3795.20	342.00	4061.40	342.00	45.00	70.00	45.00	115.00	.00	18624.01	.00	.02
	485.000	3795.20	342.00	4061.40	342.00	45.00	70.00	45.00	10.00	1000.00	17491.04	.00	.02
	486.000	3795.20	342.00	4061.40	342.00	45.00	70.00	45.00	10.00	-1000.00	19149.18	.00	.01
	490.000	3797.70	336.00	3905.40	336.00	40.00	70.00	75.08	175.00	.00	19439.68	.00	.02
*	500.000	3766.70	334.00	4005.40	334.00	33.66	40.00	30.21	510.00	.00	19724.09	16384.00	.00
*	507.000	3860.70	342.00	4289.50	342.00	35.52	40.00	40.58	470.00	8.51	10831.67	4097.00	.54
*	508.000	3860.70	342.00	4289.50	342.00	40.00	30.00	40.00	10.00	.00	11417.05	4097.00	.20
*	509.000	3889.40	336.00	4322.40	342.00	40.00	30.00	40.00	65.00	.00	17039.20	16384.00	.29
	510.000	3885.30	342.00	4317.20	341.00	98.96	40.00	31.41	10.00	-200.00	15199.50	.00	.22
*	515.000	3935.00	334.00	4447.80	334.00	50.85	40.00	40.23	275.00	.00	26520.14	16384.00	.11
	520.000	4347.80	334.00	4855.30	334.00	71.38	30.93	40.05	560.00	.00	20705.77	.00	.14
*	530.000	4190.20	334.00	4516.30	334.00	62.67	30.00	40.00	620.00	3.23	14741.34	16384.00	.23
	535.000	2119.80	336.00	2411.10	336.00	72.52	30.50	40.00	280.00	.00	12751.88	.00	.21
	540.000	2055.80	336.00	2395.10	336.00	45.98	30.48	40.00	350.00	.00	10217.05	.00	.00
	550.000	1894.00	336.00	2153.30	336.00	41.07	30.47	40.00	650.00	.00	11532.94	.00	.05
	560.000	1638.20	336.00	1898.10	336.00	50.00	30.98	40.00	600.00	.00	14138.23	.00	.06
	562.000	1181.40	336.00	1385.00	336.00	52.12	30.85	40.00	280.00	.00	15834.81	.00	.02
	564.000	1053.10	336.00	1332.20	336.00	50.53	34.17	40.00	220.00	.00	16105.92	.00	.01
*	566.000	971.90	338.00	1257.50	338.00	85.00	30.00	60.00	280.00	.00	11637.35	16384.00	.45

	SECNO	STCHL	XLBEL	STCHR	RBEL	K*XNL	K*XNCH	K*XNR	XLCH	K*CHSL	AREA	CASE	OLOSS
*	570.000	1642.70	336.00	1843.30	336.00	85.00	30.00	60.00	280.00	.00	7655.24	16384.00	.81
	572.000	832.00	336.00	1056.10	336.00	85.00	30.00	60.00	187.00	.00	8842.71	.00	.12
	574.000	747.50	336.00	1043.60	336.00	85.00	30.00	60.00	200.00	.00	10090.07	.00	.14
	576.000	733.40	338.00	959.30	338.00	85.00	30.00	60.00	170.00	.00	9127.79	.00	.21
	582.000	698.20	338.00	914.10	338.00	85.00	30.00	60.00	330.00	6.06	12230.32	.00	.10
	584.000	632.70	338.00	857.90	338.00	85.00	30.00	60.00	200.00	.00	12976.13	.00	.02
	586.000	582.70	338.00	772.70	338.00	85.00	30.00	60.00	205.00	.00	12965.79	.00	.01
*	592.000	443.90	338.00	597.60	338.00	85.00	30.00	60.00	380.00	.00	8947.19	16384.00	.61
*	594.000	630.70	342.00	779.90	342.00	75.00	125.00	65.00	230.00	17.39	5955.98	4097.00	.31
*	600.000	778.90	346.00	979.10	346.00	75.00	125.00	65.00	150.00	13.33	12280.50	16384.00	.36
*	610.000	319.90	346.00	622.80	346.00	75.00	125.00	65.00	315.00	.00	27837.60	16384.00	.10
	620.000	299.20	364.00	732.00	364.00	75.00	125.00	65.00	395.00	5.06	21949.64	.00	.05
	630.000	445.60	348.00	718.00	348.00	75.00	125.00	65.00	265.00	.00	21830.66	.00	.00
*	640.000	433.90	350.00	577.60	350.00	75.00	125.00	65.00	350.00	5.71	9565.37	4097.00	.55

PROFILE 1 - 112,000 CFS

SUMMARY PRINTOUT

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
*	100.000	331.02	280.77	611.79	7.90	.00	.00	-.44	.00
*	110.000	367.93	258.90	626.84	4.75	4.15	7.61	.00	1.62
*	120.000	467.21	206.17	673.37	2.96	2.10	4.07	.00	1.51
*	130.000	646.81	92.10	738.91	1.30	6.41	8.23	.00	1.93
	140.000	506.96	143.19	650.15	1.54	4.39	4.22	.00	.90
*	150.000	1196.81	153.19	1350.00	.47	.77	1.94	.00	4.09
*	160.000	2303.24	126.76	2430.00	.13	.26	.64	.00	1.48
*	170.000	2532.92	217.07	2750.00	.08	.05	.10	.00	1.51
	180.000	2536.36	337.79	2874.15	.09	.04	.03	.00	1.28
	190.000	2360.73	124.87	2485.60	.12	.03	.01	.00	1.17
*	200.000	2380.35	138.23	2518.58	.11	.07	.08	.00	.45
	209.000	2416.00	127.16	2543.17	.12	.09	.08	.00	1.09
	210.000	2414.90	128.18	2543.08	.19	.00	-.04	.00	.84
	211.000	2416.80	126.43	2543.23	.12	.00	.08	.00	1.19
	220.000	2080.73	269.97	2350.69	.18	.15	.11	.00	1.05
	230.000	1964.95	478.74	2443.70	.24	.10	.06	.00	.87
*	239.000	1460.31	2050.95	3511.26	.47	.15	-.01	.00	.68
*	240.000	1257.15	2110.58	3367.73	1.00	.33	-.04	.00	.23
	242.000	1238.48	2072.50	3310.98	1.64	.09	-.23	.00	1.16
	243.000	1271.85	2047.19	3319.04	1.42	.44	.72	.00	1.10
	244.000	1553.38	1978.40	3677.70	.69	.05	.85	.00	1.16
*	245.000	1544.67	400.16	1944.83	.34	.23	.61	.00	2.85
	250.000	1470.65	2092.40	3563.05	.29	.43	.49	.00	.98
*	260.000	1421.93	1717.14	3139.07	1.02	1.10	.59	.00	.47

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
	270.000	1895.34	1548.23	3443.56	.62	1.94	2.39	.00	1.25
*	280.000	1967.26	262.88	2230.14	.28	1.18	1.56	.00	1.42
	285.000	2121.73	99.08	2220.82	.23	.44	.48	.00	1.27
	290.000	2592.54	1735.86	4328.40	.21	.33	.35	.00	1.02
	300.000	2871.15	1679.26	4570.00	.25	.42	.39	.00	.78
	310.000	2682.09	1807.91	4490.00	.26	.46	.45	.00	1.07
	320.000	2176.31	192.34	2435.00	.45	.72	.59	.00	.77
*	330.000	1898.50	151.28	2315.76	.76	1.37	1.16	.00	.68
	340.000	2161.18	129.40	2290.58	.66	1.26	1.37	.00	1.05
	345.000	2322.10	121.60	2443.70	.72	.74	.70	.00	.90
	355.000	2842.75	132.40	2975.15	.71	.93	.94	.00	.88
	356.000	2654.76	270.00	2924.76	1.27	.94	.67	.00	.99
*	358.000	2580.69	400.00	2980.69	.76	.06	.57	.00	1.35
	360.000	2545.65	275.80	2821.45	.42	.69	1.13	.00	1.04
	370.000	2710.50	149.40	2859.90	.31	.49	.63	.00	1.36
	380.000	2861.33	168.43	3029.76	.40	.41	.37	.00	.81
	390.000	2243.43	807.89	3051.32	.50	.97	.91	.00	.85
	400.000	2986.11	396.18	3382.29	.39	.98	1.13	.00	1.29
	410.000	3729.63	1297.41	5134.46	.71	1.18	1.02	.00	.77
	415.000	4050.88	1111.65	5162.52	.40	1.23	1.63	.00	1.38
	420.000	3593.70	1162.71	5085.72	.59	.74	.65	.00	.73
*	421.000	467.19	2605.98	3073.17	5.42	1.59	-.82	.00	.43
*	422.000	3285.40	600.00	4130.00	1.01	.06	5.79	.00	1.77
	423.000	3620.00	2530.00	6150.00	.76	.21	.54	.00	1.14
	424.000	3650.00	2510.00	6160.00	.74	.02	.04	.00	1.31
*	425.000	3195.00	2185.00	5380.00	.17	.19	.93	.00	2.00

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
	430.000	4570.00	2250.00	6820.00	.12	.18	.23	.00	1.15
*	440.000	4614.54	2000.00	6614.54	.17	.24	.20	.00	.67
	450.000	4571.01	2170.00	6741.01	.49	.30	.07	.00	1.23
	460.000	4276.37	2370.00	6646.37	.51	.18	.17	.00	1.09
*	470.000	3881.79	2340.00	6422.31	.58	.44	.39	.00	.44
*	480.000	3180.43	1452.74	5549.85	1.29	.99	.49	.00	.50
	483.000	4162.63	1459.80	5622.43	.72	.54	1.17	.00	1.38
	484.000	3895.41	1402.19	5297.61	.54	.46	.66	.00	1.05
	485.000	3895.32	1402.24	5297.56	.60	.04	-.00	.00	.89
	486.000	3902.03	1399.10	5301.13	.51	.04	.14	.00	1.16
	490.000	3581.21	1339.24	4920.44	.57	.52	.47	.00	1.10
*	500.000	3769.50	1172.89	4942.39	.58	.71	.70	.00	1.73
*	507.000	3060.92	1535.19	4880.50	2.36	.74	.66	.00	.48
*	508.000	2759.10	1510.00	4360.70	1.71	.05	1.29	.00	.73
*	509.000	4609.58	1382.28	5991.85	.75	.30	1.55	.00	1.42
	510.000	2871.08	1410.15	4874.89	1.47	.02	-.48	.00	1.33
*	515.000	4040.13	1094.29	5963.66	.35	.20	1.43	.00	2.28
	520.000	3033.27	1628.30	5411.42	.82	.22	-.11	.00	.90
*	530.000	2330.59	2595.63	5982.75	1.57	.39	-.14	.00	.69
	535.000	2570.05	227.95	2798.00	2.29	.32	-.17	.00	.82
	540.000	1693.80	939.73	2633.53	2.29	.47	.47	.00	1.07
	550.000	1247.34	1134.53	2381.87	1.75	.74	1.33	.00	1.10
	560.000	1515.54	536.73	2257.54	1.12	.49	1.19	.00	1.25
	562.000	1548.68	272.44	1821.12	.89	.17	.42	.00	1.08
	564.000	1397.86	290.20	1688.05	.78	.12	.24	.00	1.03
*	566.000	923.77	542.78	1466.55	2.28	.21	-.84	.00	.69

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
*	570.000	507.65	1056.45	2004.69	4.99	.47	-1.43	.00	.65
	572.000	1002.97	225.66	1228.63	3.81	.40	1.70	.00	1.22
	574.000	981.96	188.12	1170.08	2.39	.25	1.81	.00	1.38
	576.000	641.87	502.56	1144.43	3.10	.19	-.30	.00	.83
	582.000	1015.24	204.25	1219.50	2.13	.40	1.46	.00	1.11
	584.000	1082.08	195.10	1277.18	1.90	.21	.46	.00	1.07
	586.000	967.61	268.20	1339.59	1.85	.20	.26	.00	.98
*	592.000	611.25	202.19	1493.01	3.87	.55	-.87	.00	.68
*	594.000	629.97	567.49	1890.10	4.90	1.30	1.18	.00	.24
*	600.000	1588.39	561.05	2236.41	1.27	2.29	6.28	.00	2.16
*	610.000	2402.60	178.62	2581.23	.24	.62	1.76	.00	3.19
	620.000	2059.04	229.24	2511.49	.41	.43	.30	.00	.72
	630.000	1582.19	248.55	1963.36	.40	.41	.42	.00	1.08
*	640.000	2302.69	46.83	2349.52	2.24	1.17	2.68	.00	.26

SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION SECNO= 100.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

WARNING SECNO= 110.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 120.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 130.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 150.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 160.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 170.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 200.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 239.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 240.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 245.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 260.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 280.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 330.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 358.000 PROFILE= 1 HYDRAULIC JUMP D.S.

WARNING SECNO= 421.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 422.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 425.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 440.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 470.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 480.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 500.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 507.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 507.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 508.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 508.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

WARNING SECNO= 509.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 515.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 530.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 566.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 570.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 592.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 594.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 594.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

WARNING SECNO= 600.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 610.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 640.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 640.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

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*******************************************************
*  WATER SURFACE PROFILES                             *
*  DEVELOPED BY THE COE                               *
*  VERSION OF SEPTEMBER 1988                          *
*                                                     *
*  RUN DATE     6/24/92    TIME    12:49:14           *
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*  DODSON AND ASSOCIATES, INC.         *
*  HYDROLOGIST AND CIVIL ENGINEERS     *
*  7015 W TIDWELL SUITE 107            *
*  HOUSTON, TEXAS 77092                *
*  (713) 895-8322                      *
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X     X  XXXXXXX   XXXXX             XXXXX
X     X  X        X     X           X     X
X     X  X        X                       X
XXXXXXX  XXXX     X          XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX  XXXXX              XXXXXXX
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END OF BANNER

THIS RUN EXECUTED 6/24/92 12:49:14

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HEC2 RELEASE DATED SEPT 88

****

T1 SAN DIEGO RIVER
T2 CITY OF SANTEE
T3 PROFILE 1 - 100 YEAR FLOODPLAIN (FEMA)
T4 PROFILE 2 - 100 YEAR FLOODWAY (FEMA)

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	2			0				280.54	

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1	0	-1				-1			0

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

38	1	2	8	43	13	14	15	3	5
55	26	56		38	21	23	22	24	16
17	18	39	33	25	20	12		38	4
53	54	10	11	51	52	58		110	200

NC	.08	.08	0.18	0.1	0.3					
QT	2	38000	38000							
ET		0	8.1					340.0	600.0	
	MISSION DAM - DOWNSTREAM LIMIT OF STUDY (SUB-CRITICAL FLOW ASSUMED)									
X1	100	42.0	340.8	600.7	0.0	0.0	0.0			
GR	322.0	106.3	320.0	113.0	318.0	136.3	316.0	145.1	314.0	149.2
GR	312.0	156.4	310.0	163.1	308.0	173.8	306.0	184.7	304.0	195.9
GR	302.0	206.5	300.0	254.3	298.0	260.1	296.0	265.0	294.0	267.5
GR	292.0	274.0	290.0	278.2	288.0	289.9	286.0	302.9	284.0	308.8
GR	282.0	315.2	280.0	340.8	278.0	347.4	276.0	353.5	274.0	360.8
GR	272.0	383.8	270.0	502.7	270.0	562.6	272.0	577.0	274.0	584.1
GR	276.0	589.9	278.0	597.2	280.0	600.7	290.0	612.3	300.0	626.4
GR	310.0	650.9	312.0	658.7	314.0	662.9	314.0	676.5	312.0	689.0
GR	310.0	703.7	300.0	723.7						

NC	0.08	0.08	0.18							
ET		0	8.1					310.0	610.0	
X1	110	42.0	339.7	600.3	45.0	45.0	45.0			
GR	322.0	102.1	320.0	107.6	318.0	116.9	316.0	127.8	314.0	137.2
GR	312.0	150.6	310.0	159.7	308.0	165.6	306.0	171.6	304.0	186.0
GR	302.0	199.6	300.0	228.0	298.0	257.2	296.0	261.3	294.0	270.2
GR	292.0	276.4	290.0	280.6	288.0	299.4	286.0	308.1	284.0	314.0
GR	282.0	319.1	280.0	339.7	278.0	369.2	276.0	377.8	274.0	405.7
GR	274.0	424.4	276.0	513.7	274.0	561.0	274.0	571.2	278.0	589.6
GR	276.0	590.1	280.0	600.3	290.0	620.6	300.0	629.3	310.0	638.9
GR	312.0	644.0	314.0	647.2	318.0	659.0	320.0	669.0	322.0	682.9
GR	322.0	707.6	320.0	723.0						
NC	0.08	0.08	0.18							
ET		0	8.1					310.0	650	
X1	120	32.0	354.5	602.5	55.0	55.0	55.0			
GR	308.0	102.3	306.0	116.7	304.0	151.7	302.0	196.8	300.0	221.4
GR	298.0	252.0	296.0	274.8	294.0	281.9	292.0	290.3	290.0	304.3
GR	288.0	311.6	286.0	319.1	284.0	327.2	282.0	341.2	280.0	354.5
GR	278.0	367.7	276.0	399.7	274.0	403.0	274.0	425.1	274.0	467.8
GR	274.0	547.3	276.0	555.0	278.0	566.9	280.0	602.5	288.0	643.7
GR	290.0	648.8	300.0	670.6	310.0	693.0	312.0	702.1	314.0	713.5
GR	316.0	721.4	318.0	739.3						
NC	0.08	0.08	0.18							
ET		0	8.1					330.0	683	
X1	130	39.0	353.0	583.5	520.0	520.0	520.0			
GR	312.0	79.0	310.0	90.0	308.0	98.0	306.0	104.9	304.0	118.2
GR	302.0	123.6	300.0	141.8	298.0	205.2	296.0	271.7	294.0	278.5
GR	292.0	282.7	290.0	289.9	288.0	325.4	286.0	341.4	284.0	346.3
GR	280.0	353.0	278.0	357.1	278.0	375.2	278.0	394.4	276.0	420.6
GR	276.0	449.2	278.0	454.6	280.0	583.5	282.0	599.6	284.0	611.7
GR	286.0	627.5	288.0	644.3	290.0	653.5	298.0	683.1	300.0	687.1
GR	302.0	701.7	304.0	711.7	306.0	720.8	308.0	730.8	310.0	741.8
GR	312.0	759.2	314.0	773.7	316.0	790.4	318.0	820.0		
NC	0.08	0.08	0.18	0.3	0.5					
ET		0	8.1					215.0	545	
X1	140	32.0	242.6	482.4	555.0	555.0	555.0			
GR	330.0	102.8	320.0	127.5	310.0	152.4	300.0	161.2	294.0	209.3
GR	294.0	217.9	290.0	230.3	288.0	233.1	286.0	237.3	284.0	242.6
GR	282.0	247.1	280.0	259.9	278.0	269.7	276.0	332.7	276.0	349.0
GR	278.0	361.2	280.0	371.2	282.0	467.9	284.0	482.4	286.0	497.6
GR	288.0	507.7	290.0	514.9	300.0	546.9	302.0	555.2	304.0	562.8
GR	306.0	577.1	308.0	587.4	310.0	606.1	312.0	626.3	314.0	654.4
GR	316.0	690.6	316.0	781.7						
NC	0.08	0.035	0.16							
ET		6.1	8.1			108.5	1170.0	245	1200	

X1	150	39.0	273.6	738.1	555.0	555.0	580.0			
GR	324.0	108.5	322.0	117.6	320.0	129.6	318.0	140.8	316.0	151.8
GR	314.0	159.5	312.0	167.6	310.0	175.6	300.0	203.4	298.0	206.4
GR	298.0	208.7	298.0	256.1	290.0	273.6	288.0	277.8	286.0	284.5
GR	284.0	293.6	282.0	385.5	280.0	411.0	280.0	552.4	280.0	655.2
GR	280.0	703.0	290.0	738.1	292.0	750.6	294.0	758.6	296.0	870.3
GR	296.0	894.6	296.0	1042.4	298.0	1080.5	300.0	1153.4	302.0	1232.5
GR	304.0	1332.3	306.0	1432.2	308.0	1480.5	310.0	1538.6	312.0	1585.5
GR	314.0	1637.3	316.0	1690.9	318.0	1742.0	320.0	1781.4		
NH	3	0.04	497.4	0.08	1450.1	0.040	2720.0			
ET		0	8.1					415	1860	
X1	160	56	1331.1	1412.3	900.0	670.0	670.0			
GR	322.0	0.0	320.0	55.0	318.0	85.0	316.0	133.6	314.0	158.2
GR	312.0	166.4	310.0	280.5	308.0	342.6	306.0	358.4	304.0	371.8
GR	302.0	379.5	300.0	388.4	298.0	395.0	296.0	400.8	294.0	409.4
GR	292.0	416.6	284.0	497.4	282.0	524.4	282.0	589.9	284.0	597.7
GR	286.0	637.8	288.0	649.2	290.0	1193.1	292.0	1208.4	294.0	1225.6
GR	296.0	1239.8	298.0	1254.6	300.0	1263.4	302.0	1271.5	302.0	1277.6
GR	300.0	1286.7	298.0	1294.6	296.0	1302.7	294.0	1320.7	292.0	1331.1
GR	290.0	1339.6	282.0	1363.6	282.0	1400.5	290.0	1412.3	300.0	1439.6
GR	306.0	1450.1	308.0	1483.3	306.0	1504.8	304.0	1515.9	302.0	1528.7
GR	302.0	1778.9	304.0	1792.9	306.0	1798.8	306.0	1873.0	304.0	1879.5
GR	304.0	1911.4	305.0	1930.0	310.0	2125.0	315.0	2430.0	320.0	2620.0
GR	328.0	2720.0								
NC	0	0	0	0.1	0.3					
NH	3	0.04	744.3	0.08	1725.4	0.04	3120.0			
ET		6.1	8.1				2000	410	1990	
X1	170	42.0	1483.2	1544.1	325.0	315.0	320.0			
GR	320.0	164.6	318.0	193.5	316.0	222.9	314.0	243.0	312.0	266.0
GR	310.0	289.5	308.0	311.8	306.0	336.8	304.0	354.7	302.0	384.8
GR	300.0	407.7	298.0	429.7	296.0	457.8	294.0	489.8	292.0	530.3
GR	290.0	535.9	288.0	569.7	286.0	744.3	284.0	761.0	282.0	772.2
GR	282.0	813.9	284.0	822.3	286.0	830.3	288.0	842.6	290.0	867.5
GR	292.0	977.6	292.0	1483.2	290.0	1487.1	284.0	1504.3	284.0	1529.0
GR	290.0	1544.1	292.0	1725.4	294.0	1819.8	296.0	1883.7	298.0	1988.6
GR	300.0	2050.0	300.0	2200.0	305.0	2400.0	310.0	2630.0	310.0	2680.0
GR	315.0	2880.0	320.0	3120.0						
NH	4	0.04	608.0	0.03	1109.0	0.08	1759.0	0.04	2935.0	
ET		6.1	8.1				2000	485	1940	
X1	180	35.0	1530.0	1759.0	529.0	570.0	550.0			
GR	324.0	208.3	322.0	247.9	320.0	282.2	318.0	313.0	316.0	344.4
GR	314.0	371.7	310.0	415.0	300.0	531.0	290.0	608.0	288.0	647.0
GR	286.0	703.0	286.0	1032.0	288.0	1053.0	290.0	1109.0	292.0	1308.0
GR	292.0	1530.0	290.0	1603.0	288.0	1627.0	286.0	1640.0	286.0	1743.0
GR	288.0	1750.0	290.0	1759.0	296.0	1772.0	298.0	1800.0	296.0	1827.0
GR	296.0	1884.0	298.0	1887.0	300.0	1962.0	300.0	2380.0	305.0	2390.0
GR	300.0	2440.0	305.0	2500.0	310.0	2570.0	315.0	2850.0	320.0	2935.0

NH	4	0.04	508.2	0.03	1455.3	0.08	1827.3	0.04	2950.0	
ET		0	8.1					470	1920	
X1	190	52	1576.3	1809.7	505.0	505.0	505.0			
GR	322.0	35.0	320.0	61.0	318.0	85.0	316.0	135.7	314.0	193.6
GR	312.0	243.3	310.0	277.0	310.0	339.0	310.0	407.4	308.0	424.7
GR	306.0	438.4	304.0	449.2	302.0	457.0	300.0	466.5	298.0	472.3
GR	296.0	500.5	294.0	508.2	292.0	518.3	290.0	524.8	288.0	531.3
GR	286.0	540.8	286.0	978.3	286.0	1036.5	286.0	1374.7	288.0	1391.0
GR	290.0	1413.5	292.0	1428.0	294.0	1443.6	296.0	1455.3	296.0	1576.3
GR	294.0	1586.7	292.0	1592.6	290.0	1603.2	288.0	1646.1	286.0	1668.1
GR	286.0	1706.0	286.0	1711.1	286.0	1798.8	288.0	1804.1	290.0	1809.7
GR	300.0	1827.3	302.0	1830.0	304.0	1891.2	306.0	1927.1	308.0	1932.4
GR	308.0	1936.0	306.0	1942.7	306.0	1952.2	310.0	2150.0	315.0	2380.0
GR	320.0	2750.0	325.0	2950.0						

NH	3	0.04	459.2	0.125	1599.5	0.04	2585.0			
ET		0	8.1					370	1975	
X1	200	57.0	1439.7	1562.7	720.0	750.0	740.0			
GR	320.0	25.0	318.0	95.0	316.0	152.8	314.0	197.7	312.0	232.1
GR	310.0	257.8	308.0	284.8	306.0	307.0	304.0	333.7	302.0	359.3
GR	300.0	383.4	298.0	415.9	296.0	429.0	294.0	459.2	292.0	478.2
GR	290.0	484.7	288.0	492.8	286.0	975.5	286.0	1006.1	286.0	1203.4
GR	286.0	1406.9	288.0	1416.2	290.0	1423.8	292.0	1430.8	294.0	1434.3
GR	296.0	1439.7	296.0	1463.1	294.0	1466.8	292.0	1469.6	290.0	1474.0
GR	286.0	1482.4	286.0	1532.8	288.0	1548.0	290.0	1554.3	292.0	1558.1
GR	294.0	1562.7	296.0	1567.3	298.0	1570.1	300.0	1574.3	300.0	1585.0
GR	296.0	1593.3	294.0	1599.5	294.0	1637.4	294.0	1665.6	294.0	1695.5
GR	296.0	1771.3	296.0	1775.4	294.0	1779.7	294.0	1907.5	296.0	1914.0
GR	298.0	1918.9	300.0	1923.5	302.0	1929.2	305.0	2000.0	310.0	2300.0
GR	315.0	2490.0	320.0	2585.0						

NH	3	0.04	465.0	0.125	1479.2	0.04	2610.0			
ET		0	8.1					400	2100	
X1	209	47	1233.4	1479.2	430.0	365.0	390.0			
GR	320.0	40.0	318.0	95.0	316.0	140.4	314.0	213.9	312.0	238.5
GR	310.0	249.4	308.0	258.8	308.0	278.4	308.0	306.3	306.0	357.7
GR	304.0	383.3	302.0	436.4	300.0	460.0	298.0	465.0	296.0	473.7
GR	294.0	492.3	292.0	514.5	290.0	554.4	288.0	673.2	286.0	779.3
GR	286.0	1081.2	288.0	1151.0	290.0	1166.1	292.0	1186.0	294.0	1203.7
GR	296.0	1225.8	298.0	1233.4	298.0	1266.3	296.0	1274.8	294.0	1280.7
GR	292.0	1291.8	290.0	1309.1	288.0	1316.7	286.0	1323.7	286.0	1437.3
GR	288.0	1458.5	290.0	1465.4	292.0	1471.5	294.0	1479.2	296.0	1655.4
GR	298.0	1934.4	300.0	2100.0	305.0	2325.0	310.0	2510.0	315.0	2540.0
GR	320.0	2550.0	325.0	2610.0						

NH	3	0.04	465.0	0.125	1479.2	0.04	2610.0			
ET		0	8.1					400	2100	
X1	210	35	1233.4	1479.2	10.0	10.0	10.0			
GR	320.0	40.0	318.0	95.0	316.0	140.4	314.0	213.9	312.0	238.5
GR	310.0	249.4	308.0	258.8	308.0	278.4	308.0	306.3	306.0	357.7
GR	304.0	383.3	302.0	436.4	300.0	460.0	298.0	465.0	298.0	1233.4
GR	298.0	1266.3	296.0	1274.8	294.0	1280.7	292.0	1291.8	290.0	1309.1
GR	288.0	1316.7	286.0	1323.7	286.0	1437.3	288.0	1458.5	290.0	1465.4

GR	292.0	1471.5	294.0	1479.2	296.0	1655.4	298.0	1934.4	300.0	2100.0
GR	305.0	2325.0	310.0	2510.0	315.0	2540.0	320.0	2550.0	325.0	2610.0
NH	3	0.04	465.0	0.125	1479.2	0.04	2610.0			
ET		0	8.1					400	2100	
X1	211	47	1233.4	1479.2	10.0	10.0	10.0			
GR	320.0	40.0	318.0	95.0	316.0	140.4	314.0	213.9	312.0	238.5
GR	310.0	249.4	308.0	258.8	308.0	278.4	308.0	306.3	306.0	357.7
GR	304.0	383.3	302.0	436.4	300.0	460.0	298.0	465.0	296.0	473.7
GR	294.0	492.3	292.0	514.5	290.0	554.4	288.0	673.2	286.0	779.3
GR	286.0	1081.2	288.0	1151.0	290.0	1166.1	292.0	1186.0	294.0	1203.7
GR	296.0	1225.8	298.0	1233.4	298.0	1266.3	296.0	1274.8	294.0	1280.7
GR	292.0	1291.8	290.0	1309.1	288.0	1316.7	286.0	1323.7	286.0	1437.3
GR	288.0	1458.5	290.0	1465.4	292.0	1471.5	294.0	1479.2	296.0	1655.4
GR	298.0	1934.4	300.0	2100.0	305.0	2325.0	310.0	2510.0	315.0	2540.0
GR	320.0	2550.0	325.0	2610.0						
NC	0.04	0.04	0.20							
ET		0	8.1					515	2100	
X1	220	41	745.8	1065.0	830.0	770.0	810.0			
GR	322.0	150.4	320.0	203.3	318.0	243.5	316.0	285.0	314.0	322.2
GR	312.0	347.7	310.0	374.4	308.0	400.2	306.0	431.4	304.0	465.2
GR	302.0	485.6	300.0	510.2	298.0	524.9	298.0	574.3	298.0	584.8
GR	296.0	651.5	294.0	736.3	292.0	745.8	290.0	809.7	288.0	832.4
GR	288.0	990.1	290.0	1026.9	292.0	1065.0	294.0	1377.8	296.0	1394.0
GR	298.0	1420.2	298.0	1493.8	298.0	1539.1	298.0	1562.9	298.0	1687.3
GR	298.0	1757.3	298.0	1873.0	298.0	1920.0	298.0	1964.6	300.0	2085.9
GR	302.0	2110.3	304.0	2117.1	306.0	2174.7	308.0	2188.1	315.0	2330.0
GR	320.0	2390.0								
NC	0.04	0.04	0.20							
ET		6.1	8.1			825.0	2050.0	825	2000	
X1	230	45.0	941.1	1142.7	465.0	505.0	490.0			
GR	330.0	101.0	328.0	152.6	326.0	218.4	324.0	300.8	322.0	348.6
GR	320.0	387.2	318.0	451.4	316.0	496.5	314.0	545.0	312.0	593.3
GR	310.0	634.8	308.0	671.1	306.0	723.4	304.0	811.3	302.0	829.7
GR	300.0	865.9	298.0	889.4	296.0	902.0	294.0	939.5	292.0	941.1
GR	290.0	955.7	288.0	1002.9	288.0	1074.8	290.0	1090.0	292.0	1142.7
GR	294.0	1280.3	294.0	1427.1	294.0	1543.5	296.0	1559.7	298.0	1575.7
GR	298.0	1826.4	298.0	1844.4	298.0	2021.3	298.0	2061.1	300.0	2083.4
GR	302.0	2094.8	304.0	2109.5	306.0	2146.5	308.0	2209.0	310.0	2253.9
GR	312.0	2329.1	314.0	2373.7	316.0	2415.5	316.0	2439.6	318.0	2450.0
NC	0.04	0.04	0.20							
ET		6.1	8.1			2370.0	3040.0	2370.0	3040.0	
X1	239	36	2398.5	2724.4	400.0	440.0	420.0			
GR	326.0	1750.0	324.0	1802.0	322.0	1870.0	320.0	1920.0	318.0	2005.0
GR	316.0	2080.0	314.0	2125.5	312.0	2165.8	310.0	2233.3	308.0	2269.5
GR	306.0	2294.3	304.0	2331.7	302.0	2347.4	300.0	2357.7	298.0	2367.2
GR	296.0	2385.3	294.0	2398.5	292.0	2401.7	290.0	2404.4	290.0	2656.3
GR	292.0	2715.8	294.0	2724.4	296.0	2731.5	298.0	2742.2	298.0	2758.1
GR	296.0	2827.0	296.0	2869.3	298.0	2999.5	298.0	3198.0	298.0	3387.9
GR	300.0	3450.9	310.0	3495.2	320.0	3518.9	322.0	3522.4	324.0	3525.4
GR	326.0	3527.8								

NC	0.04	0.04	0.20							
ET		0	8.1					2517.0	3011	
X1	240	65	2519.3	3031.9	195.0	255.0	230.0			
GR	330.0	1682.0	328.0	1750.0	326.0	1805.0	324.0	1860.0	322.0	1920.0
GR	320.0	1980.0	318.0	2060.0	316.0	2139.9	314.0	2194.2	312.0	2259.3
GR	312.0	2339.4	312.0	2505.0	310.0	2508.9	308.0	2515.1	306.0	2519.3
GR	304.0	2524.1	302.0	2530.1	300.0	2533.9	298.0	2537.2	296.0	2540.2
GR	294.0	2543.1	292.0	2549.3	291.0	2584.8	291.0	2591.8	290.0	2668.2
GR	290.0	2675.2	290.0	2751.5	290.0	2758.5	290.0	2834.8	290.0	2841.8
GR	291.0	2918.2	291.0	2925.2	292.0	2934.7	294.0	2939.9	296.0	2954.4
GR	296.0	2977.8	296.0	2999.2	300.0	3001.9	306.0	3004.5	310.0	3031.9
GR	311.0	3036.7	312.0	3041.5	314.0	3074.7	310.0	3080.0	310.0	3180.0
GR	310.0	3238.5	320.0	3430.4	322.0	3475.0	324.0	3592.2	326.0	3677.8
GR	328.0	3684.3	328.0	3733.7	326.0	3788.3	324.0	3847.3	322.0	3883.8
GR	320.0	3953.1	318.0	4017.4	318.0	4167.3	320.0	4201.2	322.0	4225.0
GR	324.0	4239.0	326.0	4260.1	328.0	4274.0	330.0	4291.5	328.0	4386.5
NC	0.03	0.03	0.04	0.3	0.5					
ET		0	8.1					2518	3010	
	MAST BLVD BRIDGE		(NORMAL BRIDGE ROUTINE)							
X1	242	57	2519.3	3031.9	10	10	10			
BT	-31	2339.4	312.0	312.0	2505.0	315.0	311.5	2584.8	315.0	311.5
BT		2584.8	315.0	291.0	2591.8	315.0	291.0	2591.8	315.0	311.5
BT		2668.2	315.0	311.5	2668.2	315.0	290.0	2675.2	315.0	290.0
BT		2675.2	315.0	311.5	2751.5	315.0	311.5	2751.5	315.0	290.0
BT		2758.5	315.0	290.0	2758.5	315.0	311.5	2834.8	315.0	311.5
BT		2834.8	315.0	290.0	2841.8	315.0	290.0	2841.8	315.0	311.5
BT		2918.2	315.0	311.5	2918.2	315.0	291.0	2925.2	315.0	291.0
BT		2925.2	315.0	311.5	3004.5	315.0	311.5	3004.5	315.0	306.0
BT		3031.9	315.0	310.0	3036.7	315.0	311.0	3041.5	315.1	312.0
BT		3074.7	315.5	314.0	3080.0	315.6	310.0	3238.5	317.6	310.0
BT		3350.0	320.0	320.0						
GR	330.0	1682.0	328.0	1750.0	326.0	1805.0	324.0	1860.0	322.0	1920.0
GR	320.0	1960.0	318.0	2020.0	316.0	2090.0	314.0	2170.0	312.0	2339.4
GR	312.0	2505.0	310.0	2508.9	308.0	2515.1	306.0	2519.3	304.0	2524.1
GR	302.0	2530.1	300.0	2533.9	298.0	2537.2	296.0	2540.2	294.0	2543.1
GR	292.0	2549.3	291.0	2584.8	291.0	2591.8	290.0	2668.2	290.0	2675.2
GR	290.0	2751.5	290.0	2758.5	290.0	2834.8	290.0	2841.8	291.0	2918.2
GR	291.0	2925.2	292.0	2934.7	294.0	2939.9	296.0	2954.4	296.0	2977.8
GR	296.0	2999.2	300.0	3001.9	306.0	3004.5	310.0	3031.9	311.0	3036.7
GR	312.0	3041.5	314.0	3074.7	310.0	3080.0	310.0	3180.0	310.0	3238.5
GR	320.0	3350.0	322.0	3415.0	324.0	3490.0	326.0	3590.0	328.0	3750.0
GR	328.0	3860.0	326.0	3970.0	324.0	4040.0	324.0	4210.0	326.0	4270.0
GR	328.0	4325.0	330.0	4380.0						
NC	0.03	0.03	0.04							
ET		0	8.1					2518	3010	
X1	243	58	2480.0	3001.9	65.0	65.0	65.0			
BT	-31	2339.4	312.0	312.0	2505.0	315.0	311.5	2584.8	315.0	311.5
BT		2584.8	315.0	291.0	2591.8	315.0	291.0	2591.8	315.0	311.5
BT		2668.2	315.0	311.5	2668.2	315.0	290.0	2675.2	315.0	290.0
BT		2675.2	315.0	311.5	2751.5	315.0	311.5	2751.5	315.0	290.0
BT		2758.5	315.0	290.0	2758.5	315.0	311.5	2834.8	315.0	311.5

BT		2834.8	315.0	290.0	2841.8	315.0	290.0	2841.8	315.0	311.5
BT		2918.2	315.0	311.5	2918.2	315.0	291.0	2925.2	315.0	291.0
BT		2925.2	315.0	311.5	3004.5	315.0	311.5	3004.5	315.0	306.0
BT		3031.9	315.0	310.0	3036.7	315.0	311.0	3041.5	315.1	312.0
BT		3074.7	315.5	314.0	3080.0	315.6	310.0	3238.5	317.6	310.0
BT		3350.0	320.0	320.0						
GR	330.0	1682.0	328.0	1750.0	326.0	1805.0	324.0	1860.0	322.0	1920.0
GR	320.0	1960.0	318.0	2020.0	316.0	2090.0	314.0	2170.0	312.0	2339.4
GR	313.0	2480.0	312.0	2505.0	310.0	2508.9	308.0	2515.1	306.0	2519.3
GR	304.0	2524.1	302.0	2530.1	300.0	2533.9	298.0	2537.2	296.0	2540.2
GR	294.0	2543.1	292.0	2549.3	291.0	2584.8	291.0	2591.8	290.0	2668.2
GR	290.0	2675.2	290.0	2751.5	290.0	2758.5	290.0	2834.8	290.0	2841.8
GR	291.0	2918.2	291.0	2925.2	292.0	2934.7	294.0	2939.9	296.0	2954.4
GR	296.0	2977.8	296.0	2999.2	300.0	3001.9	306.0	3004.5	310.0	3031.9
GR	311.0	3036.7	312.0	3041.5	314.0	3074.7	310.0	3080.0	310.0	3180.0
GR	310.0	3238.5	320.0	3350.0	322.0	3415.0	324.0	3490.0	326.0	3590.0
GR	328.0	3750.0	328.0	3860.0	326.0	3970.0	324.0	4040.0	324.0	4210.0
GR	326.0	4270.0	328.0	4325.0	330.0	4380.0				
NC	0.04	0.055	0.14	0.1	0.3					
ET		0	8.1					2560.0	3070.0	
X1	244	64	2550.5	3075.6	10	10	10			
GR	330.0	1720.0	328.0	1730.0	326.0	1750.0	324.0	1765.0	322.0	1800.0
GR	320.0	1940.0	318.0	1980.0	316.0	2020.0	314.0	2050.0	312.0	2111.7
GR	310.0	2149.8	310.0	2157.7	310.0	2251.0	310.0	2267.6	312.0	2320.7
GR	314.0	2518.2	314.0	2535.4	312.0	2545.0	312.0	2546.4	310.0	2550.5
GR	308.0	2557.6	306.0	2562.4	304.0	2568.1	302.0	2573.4	300.0	2579.0
GR	298.0	2585.3	296.0	2593.3	294.0	2609.6	293.0	2637.6	293.0	2644.6
GR	292.0	2688.9	292.0	2721.0	292.0	2728.0	291.0	2804.3	291.0	2811.3
GR	291.0	2887.6	291.0	2894.6	290.0	2971.0	290.0	2978.0	290.0	3005.0
GR	292.0	3010.4	294.0	3039.7	296.0	3046.7	298.0	3051.9	300.0	3058.0
GR	310.0	3075.6	312.0	3078.7	316.0	3088.0	318.0	3283.0	320.0	3382.0
GR	310.0	3647.0	320.0	3685.0	328.0	3700.0	328.0	3800.0	328.0	3810.0
GR	326.0	3878.0	324.0	3883.0	322.0	3888.0	320.0	3945.0	318.0	4015.0
GR	316.0	4050.0	318.0	4125.0	320.0	4200.0	336.0	4520.0		
NC	0.04	0.055	0.14							
ET		6.1	8.1			100.0	1515.0	760.0	1410.0	
X1	245	55.0	928.4	1396.3	210.0	200.0	165.0			
GR	330.0	158.8	328.0	203.0	326.0	244.5	324.0	276.7	322.0	313.6
GR	320.0	380.0	318.0	410.8	316.0	447.3	314.0	493.0	312.0	535.8
GR	308.0	648.8	306.0	693.5	304.0	735.4	302.0	760.3	298.0	776.5
GR	296.0	786.2	294.0	816.6	292.0	928.4	290.0	1067.4	290.0	1374.2
GR	292.0	1396.3	294.0	1408.0	296.0	1451.6	298.0	1461.4	298.0	1492.8
GR	296.0	1508.5	296.0	1527.0	298.0	1536.0	300.0	1591.3	300.0	1591.9
GR	300.0	1612.0	302.0	1617.0	304.0	1625.9	306.0	1648.9	308.0	1670.8
GR	310.0	1676.4	310.0	1678.4	308.0	1692.3	306.0	1707.5	304.0	1734.3
GR	302.0	1771.4	302.0	1833.7	304.0	1856.0	306.0	1865.7	308.0	1878.7
GR	310.0	1886.9	312.0	1891.3	314.0	1927.9	316.0	1936.3	318.0	1942.1
GR	320.0	1950.0	330.0	1962.9	332.0	1971.6	332.0	2064.2	330.0	2076.3

NC	0	0	0	0.1	0.3					
NH	4	0.125	2050.0	.04	2550.8	0.14	2947.3	0.055	3701.7	
ET			8.1					2400	3310.0	
X1	250	52	2566.7	2740.6	705.0	790.0	740.0			
GR	330.0	1762.0	328.0	1791.0	326.0	1829.0	324.0	1887.0	322.0	1980.0
GR	320.0	2050.0	318.0	2153.8	316.0	2187.3	314.0	2194.5	312.0	2244.8
GR	310.0	2282.9	308.0	2358.3	306.0	2411.1	304.0	2450.5	302.0	2460.8
GR	300.0	2470.2	298.0	2478.8	296.0	2550.8	294.0	2566.7	294.0	2567.0
GR	292.0	2570.7	290.0	2677.6	290.0	2719.3	292.0	2733.9	294.0	2740.6
GR	294.0	2740.7	296.0	2760.8	296.0	2947.3	296.0	2972.9	294.0	3000.5
GR	294.0	3022.9	296.0	3054.0	298.0	3089.0	300.0	3130.4	300.0	3144.4
GR	298.0	3185.1	296.0	3192.7	296.0	3221.8	298.0	3249.3	296.0	3439.1
GR	298.0	3444.5	300.0	3452.9	302.0	3468.9	304.0	3495.0	306.0	3516.7
GR	308.0	3536.0	310.0	3542.2	320.0	3564.9	328.0	3580.4	330.0	3586.6
GR	330.0	3657.8	328.0	3701.7						
NH	5	0.125	2162.1	0.06	2323.9	0.14	2544.6	0.055	3145.9	0.125
NH	3432.0									
ET		0	8.1					2340	2950.0	
X1	260	50	2375.2	2544.6	1035.0	1020.0	1025.0			
GR	330.0	1180.0	325.0	1530.0	322.0	1660.0	320.0	1700.0	318.0	1850.0
GR	316.0	2025.0	314.0	2030.0	312.0	2162.1	312.0	2242.9	312.0	2273.9
GR	310.0	2323.9	308.0	2334.9	306.0	2346.8	304.0	2353.6	302.0	2368.8
GR	300.0	2375.2	298.0	2409.3	296.0	2425.8	294.0	2436.4	294.0	2436.7
GR	294.0	2480.1	294.0	2480.2	296.0	2491.6	298.0	2530.6	300.0	2544.6
GR	302.0	2601.0	302.0	2634.8	302.0	2684.7	302.0	2743.0	300.0	2774.6
GR	298.0	2795.7	298.0	2809.3	298.0	2825.2	298.0	2856.1	300.0	2866.4
GR	302.0	2905.5	304.0	2921.1	306.0	2962.3	308.0	2975.8	310.0	3014.6
GR	312.0	3039.4	314.0	3096.0	316.0	3124.5	318.0	3131.9	320.0	3140.0
GR	322.0	3142.8	324.0	3145.9	324.0	3266.1	324.0	3330.0	326.0	3432.0
QT	2	37000	37000							
NH	5	0.125	2125.8	0.06	2393.6	0.14	2678.6	0.055	3249.6	0.125
NH	3555.0									
ET		0	8.1					2270	2990	
X1	270	44	2509.5	2678.6	985.0	930.0	965.0			
GR	330.0	1280.0	325.0	1480.0	320.0	1600.0	318.0	1669.0	316.0	1755.0
GR	314.0	1945.0	312.0	2125.8	310.0	2228.0	310.0	2393.6	308.0	2417.3
GR	306.0	2450.5	302.0	2477.3	300.0	2509.5	298.0	2526.5	298.0	2592.8
GR	300.0	2630.4	304.0	2678.6	304.0	2720.6	302.0	2739.0	300.0	2802.1
GR	300.0	2883.1	300.0	2900.1	298.0	2906.1	298.0	2961.0	300.0	2970.1
GR	308.0	2994.6	310.0	3071.9	312.0	3096.3	314.0	3142.5	316.0	3164.8
GR	316.0	3178.8	316.0	3229.5	318.0	3233.8	320.0	3239.2	322.0	3249.6
GR	322.0	3347.9	320.0	3371.3	320.0	3373.7	320.0	3377.1	322.0	3435.0
GR	324.0	3544.0	326.0	3549.0	328.0	3551.0	330.0	3555.0		
NH	5	0.125	388.0	0.06	548.0	0.14	1290.0	0.055	2038.0	0.125
NH	2380.0									
ET		0	8.1					560	1890.0	

X1	280	49	958.0	1060.0	1045.0	1030.0	1040.0			
GR	328.0	118.0	326.0	195.0	324.0	255.0	322.0	310.0	320.0	388.0
GR	318.0	455.0	316.0	493.0	314.0	498.0	312.0	503.0	310.0	520.0
GR	308.0	548.0	306.0	950.0	306.0	958.0	300.0	977.0	300.0	1030.0
GR	302.0	1038.0	304.0	1043.0	306.0	1060.0	306.0	1242.0	304.0	1290.0
GR	304.0	1340.0	302.0	1370.0	304.0	1385.0	306.0	1408.0	306.0	1432.0
GR	304.0	1502.0	304.0	1570.0	306.0	1635.0	306.0	1665.0	304.0	1690.0
GR	302.0	1800.0	300.0	1830.0	300.0	1850.0	302.0	1855.0	304.0	1862.0
GR	306.0	1933.0	308.0	1995.0	310.0	2005.0	312.0	2010.0	314.0	2019.0
GR	316.0	2030.0	318.0	2038.0	318.0	2170.0	320.0	2211.0	322.0	2219.0
GR	324.0	2232.0	326.0	2300.0	328.0	2360.0	330.0	2380.0		
NC	0.06	0.055	0.14							
ET		0	8.1					525	2015.0	
X1	285	51	706.6	792.2	665.0	680.0	670.0			
GR	325.8	0.0	324.0	111.4	322.0	204.5	318.0	284.9	316.0	402.4
GR	314.0	406.6	312.0	564.3	308.0	625.5	306.0	706.6	304.0	713.6
GR	302.0	721.9	302.0	768.4	304.0	774.6	304.0	774.8	306.0	783.7
GR	310.0	792.2	310.0	820.3	306.0	831.0	304.0	909.5	306.0	1062.5
GR	306.0	1231.8	306.0	1288.1	308.0	1337.2	310.0	1352.2	312.0	1376.4
GR	312.0	1405.7	310.0	1409.6	308.0	1512.8	308.0	1601.1	308.0	1616.3
GR	306.0	1785.5	304.0	1816.6	304.0	1841.7	306.0	1982.3	308.0	1993.1
GR	310.0	2008.2	312.0	2039.8	314.0	2079.9	316.0	2135.9	318.0	2157.1
GR	320.0	2174.6	322.0	2204.7	324.0	2220.1	326.0	2227.3	328.0	2237.7
GR	330.0	2241.4	332.0	2247.8	334.0	2257.8	336.0	2266.8	338.0	2277.9
GR	340.0	2307.8								
NC	0.04	0.055	0.14							
ET		0	8.1					2560	4154.0	
X1	290	81	2655.1	2758.9	645.0	645.0	645.0			
GR	330.0	1550.0	328.0	1610.0	326.0	1680.0	324.0	1757.0	322.0	1830.0
GR	320.0	1890.0	320.0	2050.0	318.0	2222.0	316.0	2230.2	316.0	2237.9
GR	318.0	2241.4	318.0	2290.7	316.0	2324.5	314.0	2341.2	312.0	2393.6
GR	312.0	2459.9	312.0	2477.7	310.0	2544.8	308.0	2655.1	306.0	2672.8
GR	304.0	2682.0	302.0	2691.9	302.0	2719.3	304.0	2741.6	304.0	2741.8
GR	306.0	2745.0	308.0	2747.9	310.0	2758.9	308.0	2834.0	308.0	2864.6
GR	310.0	2932.1	310.0	2951.1	310.0	2962.7	310.0	2968.0	308.0	3040.7
GR	308.0	3091.2	310.0	3099.7	310.0	3116.1	308.0	3135.0	308.0	3243.2
GR	310.0	3252.7	312.0	3259.7	314.0	3266.2	316.0	3270.9	318.0	3279.1
GR	320.0	3297.7	318.0	3309.3	316.0	3322.4	314.0	3334.8	312.0	3346.4
GR	310.0	3359.6	308.0	3411.2	306.0	3446.4	308.0	3646.0	310.0	3700.6
GR	314.0	3730.0	314.0	3744.6	312.0	3754.3	310.0	3798.3	308.0	3810.6
GR	310.0	4077.9	312.0	4133.1	314.0	4137.9	316.0	4157.2	318.0	4169.3
GR	320.0	4258.6	322.0	4307.3	324.0	4323.7	326.0	4340.8	328.0	4352.3
GR	330.0	4377.5	332.0	4385.1	334.0	4419.5	336.0	4492.5	338.0	4512.0
GR	340.0	4563.8	342.0	4650.1	344.0	4715.6	346.0	4746.7	348.0	4761.2
GR	348.0	4861.4								
NH	5	0.125	2037.0	0.04	2536.2	0.14	2749.7	0.055	4600.0	0.125
NH	4970.0									
ET		6.1	8.1			2340.0	4140.0	2540	4014.0	

X1	300	80	2536.2	2708.7	655.0	670.0	660.0			
GR	330.0	1520.0	328.0	1596.0	326.0	1600.0	324.0	1750.0	322.0	1759.0
GR	320.0	2037.0	318.0	2261.7	316.0	2362.4	314.0	2425.6	312.0	2536.2
GR	308.0	2597.1	306.0	2620.7	306.0	2648.3	308.0	2667.9	312.0	2686.7
GR	314.0	2708.7	314.0	2749.7	312.0	2772.3	310.0	2798.1	308.0	2823.3
GR	308.0	2917.1	308.0	2989.5	308.0	3029.4	308.0	3049.3	308.0	3090.7
GR	308.0	3096.6	310.0	3151.2	312.0	3254.8	312.0	3258.8	312.0	3289.5
GR	312.0	3415.7	314.0	3465.6	316.0	3469.2	318.0	3471.7	318.0	3481.0
GR	316.0	3491.1	314.0	3500.1	314.0	3528.6	316.0	3536.7	318.0	3545.1
GR	320.0	3548.4	322.0	3554.1	322.0	3569.0	320.0	3574.4	318.0	3584.7
GR	316.0	3594.2	314.0	3607.1	312.0	3618.5	312.0	3634.5	312.0	3736.6
GR	312.0	3852.4	312.0	3897.2	310.0	3904.3	308.0	3907.9	308.0	3966.7
GR	312.0	4002.1	314.0	4006.7	316.0	4010.8	318.0	4022.5	320.0	4028.6
GR	320.0	4053.6	320.0	4083.9	320.0	4114.5	320.0	4148.3	320.0	4199.1
GR	318.0	4210.5	316.0	4222.5	316.0	4260.1	318.0	4362.2	320.0	4437.5
GR	322.0	4445.4	324.0	4453.2	326.0	4461.8	326.0	4472.2	324.0	4481.0
GR	324.0	4600.0	324.0	4750.0	326.0	4875.0	328.0	4955.0	330.0	4970.0
NC	0.04	0.055	0.14							
ET		6.1	8.1			2460.0	4230.0	2650	4000.0	
	CONFLUENCE WITH SYCAMORE CREEK									
X1	310	60	2698.4	2822.3	620.0	600.0	610.0			
GR	330.0	1530.0	328.0	1565.0	326.0	1682.0	324.0	2100.0	324.0	2102.5
GR	322.0	2202.8	320.0	2315.0	320.0	2355.0	318.0	2455.0	316.0	2580.0
GR	314.0	2698.4	312.0	2738.8	310.0	2752.5	308.0	2761.7	308.0	2773.1
GR	310.0	2793.7	312.0	2798.9	314.0	2811.2	316.0	2822.3	316.0	2833.7
GR	314.0	2843.4	312.0	2851.5	310.0	2944.2	310.0	2978.5	310.0	3016.0
GR	310.0	3032.5	312.0	3085.0	312.0	3099.4	312.0	3160.0	312.0	3297.0
GR	312.0	3324.1	312.0	3343.1	310.0	3422.3	310.0	3422.5	312.0	3462.6
GR	312.0	3549.5	312.0	3553.5	314.0	3569.6	312.0	3686.9	310.0	3695.8
GR	308.0	3710.0	308.0	4070.0	310.0	4130.0	312.0	4191.2	314.0	4198.4
GR	316.0	4207.2	318.0	4215.0	320.0	4234.2	318.0	4662.2	316.0	4670.3
GR	316.0	4679.2	318.0	4685.6	320.0	4801.6	320.0	4805.3	320.0	4906.2
GR	322.0	5240.0	324.0	5415.0	326.0	5650.0	328.0	6065.0	330.0	6240.0
NC	0.04	0.055	0.14							
ET		6.1	8.1			950.0	2300.0	1030.0	2150.0	
	CONFLUENCE WITH FORRESTER CREEK									
X1	320	43	988.7	1300.0	665.0	840.0	750.0			
GR	328.0	180.8	328.0	185.1	328.0	185.1	326.0	192.2	326.0	192.2
GR	324.0	205.3	322.0	220.2	322.0	224.7	320.0	234.1	318.0	251.7
GR	316.0	282.5	314.0	309.3	312.0	454.2	316.0	680.0	310.0	730.0
GR	318.0	765.0	318.0	968.3	316.0	988.7	314.0	1009.1	312.0	1023.2
GR	310.0	1060.0	310.0	1115.0	312.0	1300.0	316.0	1477.9	314.0	1512.5
GR	314.0	1669.5	316.0	1785.6	316.0	1960.5	316.0	2203.0	316.0	2220.5
GR	318.0	2265.2	320.0	2274.9	322.0	2286.6	324.0	2288.4	326.0	2292.2
GR	326.0	2358.1	324.0	2396.8	324.0	2423.1	324.0	2449.8	324.0	2697.0
GR	326.0	2905.0	328.0	3290.0	330.0	3865.0				

QT	2	36000	36000							
NC	0.06	0.06	0.085							
ET		6.1	8.1			1280.0	2300.0	1370.0	2250.0	
X1	330	53.0	1760.0	1917.0	870.0	700.0	780.0			
GR	328.0	105.6	326.0	212.4	326.0	248.3	328.0	289.1	328.0	289.1
GR	328.0	336.2	328.0	336.2	326.0	339.6	324.0	358.2	322.0	490.2
GR	320.0	585.0	318.0	622.0	316.0	629.0	314.0	636.0	312.0	640.0
GR	312.0	679.0	314.0	682.1	316.0	686.2	318.0	689.7	320.0	693.1
GR	322.0	699.6	324.0	990.1	326.0	1003.5	328.0	1176.8	330.0	1185.3
GR	330.0	1278.5	328.0	1292.7	326.0	1316.0	324.0	1326.0	322.0	1332.0
GR	320.0	1340.0	318.0	1347.0	316.0	1352.0	314.0	1393.0	314.0	1760.0
GR	312.0	1770.0	312.0	1910.0	314.0	1917.0	316.0	1925.3	316.0	1929.3
GR	314.0	2113.3	316.0	2239.8	318.0	2264.8	320.0	2271.8	322.0	2278.2
GR	324.0	2283.0	326.0	2310.9	328.0	2319.4	330.0	2480.0	328.0	2492.6
GR	328.0	2590.5	330.0	2632.1	332.0	2667.4				
NC	0.06	0.06	0.085							
ET		6.1	8.1			1200.0	2180.0	1220.0	2180.0	
X1	340	58.0	1410.0	1843.2	520.0	505.0	505.0			
GR	326.0	129.4	326.0	194.9	324.0	207.9	322.0	368.5	320.0	374.7
GR	318.0	387.3	316.0	393.1	320.0	454.2	322.0	461.0	324.0	466.8
GR	326.0	493.4	326.0	583.0	326.0	668.9	326.0	685.7	326.0	728.0
GR	326.0	794.9	326.0	831.2	326.0	1049.6	326.0	1089.2	328.0	1122.7
GR	328.0	1171.1	326.0	1192.0	324.0	1221.3	322.0	1226.0	320.0	1233.0
GR	318.0	1245.0	316.0	1250.0	316.0	1391.0	318.0	1399.0	320.0	1410.0
GR	318.0	1433.0	316.0	1440.0	314.0	1450.0	312.0	1513.0	310.0	1528.0
GR	310.0	1548.0	310.0	1670.0	312.0	1690.0	314.0	1695.0	316.0	1705.0
GR	318.0	1843.2	318.0	1890.7	316.0	1903.5	314.0	1909.3	316.0	2190.0
GR	318.0	2199.2	320.0	2211.0	322.0	2219.6	324.0	2228.2	328.0	2260.3
GR	326.0	2261.5	330.0	2307.8	332.0	2363.1	332.0	2452.5	332.0	2466.5
GR	332.0	2507.3	332.0	2524.9	334.0	2579.9				
NC	0.06	0.06	0.085							
ET		6.1	8.1			1210.0	2270.0	1300.0	2270.0	
X1	345	71.0	1509.8	1995.5	320.0	250.0	280.0			
GR	328.0	121.6	328.0	195.4	328.0	197.1	328.0	205.9	326.0	217.1
GR	324.0	302.0	324.0	332.2	326.0	361.0	326.0	372.0	324.0	378.0
GR	322.0	383.8	320.0	391.6	320.0	438.3	322.0	442.1	324.0	445.2
GR	326.0	446.6	328.0	453.5	328.0	582.7	328.0	587.1	328.0	619.2
GR	328.0	630.9	328.0	855.7	326.0	989.7	326.0	1086.9	326.0	1148.5
GR	324.0	1188.9	322.0	1212.2	320.0	1312.0	318.0	1318.0	316.0	1330.0
GR	316.0	1445.0	318.0	1452.0	320.0	1490.1	322.0	1497.6	322.0	1509.8
GR	320.0	1515.6	316.0	1530.7	314.0	1582.0	314.0	1668.0	312.0	1783.0
GR	312.0	1834.0	314.0	1841.0	316.0	1851.0	318.0	1860.0	318.0	1934.1
GR	318.0	1966.8	320.0	1976.4	322.0	1986.7	324.0	1995.5	324.0	2065.9
GR	322.0	2086.6	320.0	2101.4	318.0	2107.1	316.0	2111.7	318.0	2265.9
GR	320.0	2279.5	320.0	2339.1	318.0	2355.0	318.0	2362.5	320.0	2373.9
GR	322.0	2384.1	324.0	2391.7	326.0	2422.8	328.0	2436.8	330.0	2448.2
GR	332.0	2567.8	332.0	2583.1	332.0	2692.6	334.0	2726.2	336.0	2767.6
GR	338.0	2808.6								

NC	0.06	0.06	0.085	0.3	0.5					
ET		6.1	8.1			1370.0	2370.0	1500	2370.0	
X1	355	44.0	1731.4	2253.8	275.0	295.0	285.0			
GR	328.0	132.4	328.0	151.4	322.0	174.5	328.0	407.0	330.0	527.2
GR	330.0	673.5	328.0	955.5	326.0	1275.4	324.0	1336.9	322.0	1491.7
GR	320.0	1530.6	320.0	1695.0	322.0	1702.4	322.0	1731.4	320.0	1735.2
GR	318.0	1738.1	316.0	1830.0	316.0	2035.0	314.0	2044.0	314.0	2075.0
GR	316.0	2088.0	318.0	2121.1	318.0	2175.9	318.0	2233.6	320.0	2240.9
GR	322.0	2253.8	322.0	2286.8	320.0	2302.5	318.0	2305.5	318.0	2416.9
GR	320.0	2429.4	322.0	2486.5	322.0	2527.9	320.0	2572.0	320.0	2633.9
GR	322.0	2656.8	324.0	2681.1	326.0	2773.1	328.0	2858.1	330.0	2956.9
GR	330.0	2974.1	332.0	2988.9	334.0	3095.7	334.0	3105.5		
NC	0.06	0.06	0.085							
ET		6.1	8.1			1340.0	2290.0	1520	2290	
X1	356	52.0	1836.0	2258.2	250.0	250.0	250.0			
X3	10									
GR	330.0	270.0	328.0	521.0	326.0	767.7	326.0	773.5	326.0	795.9
GR	326.0	805.9	326.0	961.7	324.0	1053.5	324.0	1110.4	324.0	1123.6
GR	324.0	1496.7	326.0	1678.4	326.0	1787.6	324.0	1794.7	322.0	1813.4
GR	320.0	1822.3	318.0	1829.3	316.0	1836.0	316.0	1864.3	317.0	1871.3
GR	318.0	1906.3	318.0	1913.3	318.0	1946.8	318.0	1956.8	318.0	1990.3
GR	318.0	1997.3	318.0	2032.3	318.0	2039.3	318.0	2074.3	318.0	2081.3
GR	316.0	2110.0	318.0	2114.8	318.0	2121.0	318.0	2124.8	318.0	2158.3
GR	318.0	2165.3	318.0	2200.3	318.0	2207.3	318.0	2242.3	319.0	2249.3
GR	320.0	2258.2	322.0	2267.5	324.0	2277.0	326.0	2278.4	328.0	2284.1
GR	328.0	2342.9	326.0	2455.2	326.0	2673.1	328.0	2756.9	330.0	2870.0
GR	332.0	3004.7	334.0	3069.9						
NC	0.06	0.03	0.04							
SB	0.9	1.6	2.75	0	450.0	77.0	3112.0	2	318.0	318.0
ET		6.11	8.11			1340.0	2300.0	1510	2300	
	CARLTON HILLS BLVD BRIDGE (SPECIAL BRIDGE ROUTINE)									
X1	358	45	1850.0	2278.4	65.0	65.0	65.0			
X2	0	0	1	326.0	324.0	0	0	0	0	0
X3	10	0	0	0	0	0	0	0	0	0
BT	-15	430.0	328.0	328.0	780.0	326.0	326.0	1090.0	324.0	324.0
BT		1496.7	324.0	324.0	1678.4	327.0	326.0	1787.6	328.9	326.0
BT		2278.4	329.0	326.0	2284.1	328.9	328.0	2342.9	328.0	328.0
BT		2490.0	326.0	326.0	2640.1	326.0	326.0	2756.9	328.0	328.0
BT		2870.0	330.0	330.0	3030.0	332.0	332.0	3110.0	334.0	334.0
GR	328.0	430.0	326.0	780.0	324.0	1090.0	324.0	1496.7	326.0	1678.4
GR	326.0	1787.6	324.0	1794.7	322.0	1813.4	320.0	1822.3	318.0	1829.3
GR	316.0	1836.0	316.0	1864.3	317.0	1871.3	317.0	1906.3	318.0	1913.3
GR	318.0	1946.8	318.0	1956.8	318.0	1990.3	318.0	1997.3	318.0	2032.3
GR	318.0	2039.3	318.0	2074.3	318.0	2081.3	316.0	2110.0	318.0	2114.8
GR	318.0	2121.0	318.0	2124.8	318.0	2158.3	318.0	2165.3	318.0	2200.3
GR	318.0	2207.3	318.0	2242.3	319.0	2249.3	320.0	2258.2	322.0	2267.5
GR	324.0	2277.0	326.0	2278.4	328.0	2284.1	328.0	2342.9	326.0	2490.0
GR	326.0	2640.0	328.0	2756.9	330.0	2870.0	332.0	3030.0	334.0	3110.0

NC	0.06	0.085	0.085							
ET		6.1	8.1			1530.0	2600.0	1565	2435	
X1	360	35.0	2187.0	2382.9	335.0	355.0	345.0			
GR	330.0	275.8	328.0	424.1	326.0	1248.3	326.0	1356.6	326.0	1544.0
GR	324.0	1558.2	322.0	1570.1	320.0	1575.0	318.0	1879.0	318.0	1920.0
GR	316.0	1933.3	316.0	2012.0	320.0	2112.8	320.0	2187.0	318.0	2200.0
GR	318.0	2356.8	320.0	2382.9	322.0	2395.5	324.0	2406.1	326.0	2412.3
GR	328.0	2438.3	328.0	2460.9	326.0	2525.5	324.0	2540.0	322.0	2549.1
GR	322.0	2624.0	324.0	2726.5	326.0	2779.5	328.0	2795.5	330.0	2805.8
GR	332.0	2819.3	334.0	2827.7	336.0	2891.8	338.0	3130.9	340.0	3190.3
NC	0.06	0.085	0.085	0.1	0.3					
ET		6.1	8.1			1470.0	2820.0	1470.0	2500	
X1	370	44.0	2234.1	2326.4	345.0	350.0	345.0			
GR	330.0	149.4	328.0	349.9	328.0	355.0	328.0	360.9	328.0	514.3
GR	328.0	816.5	326.0	846.9	324.0	870.6	322.0	913.9	322.0	984.9
GR	324.0	1004.3	326.0	1014.1	326.0	1049.3	326.0	1077.6	326.0	1245.4
GR	326.0	1248.2	326.0	1279.9	326.0	1282.3	326.0	1388.8	324.0	1421.2
GR	320.0	1541.9	320.0	1573.2	320.0	1590.2	318.0	1630.0	318.0	1725.0
GR	320.0	1835.0	320.0	2154.6	320.0	2203.7	320.0	2234.1	318.0	2243.0
GR	318.0	2313.0	320.0	2326.4	322.0	2340.6	322.0	2387.8	322.0	2642.0
GR	324.0	2740.0	326.0	2768.0	328.0	2805.0	330.0	2812.0	332.0	2821.0
GR	334.0	2889.0	336.0	3030.0	338.0	3135.0	340.0	3266.0		
NC	0.06	0.085	0.085							
ET		6.1	8.1			1540.0	2960.0	1540.0	2625	
X1	380	60	2380.9	2436.4	320.0	320.0	320.0			
GR	335.0	0.0	334.0	95.0	332.0	395.4	330.0	414.4	330.0	476.9
GR	330.0	528.2	330.0	778.2	330.0	880.6	328.0	894.6	326.0	927.8
GR	324.0	975.1	324.0	1076.0	326.0	1107.4	328.0	1122.8	330.0	1165.2
GR	330.0	1214.1	330.0	1487.9	330.0	1533.6	328.0	1545.8	326.0	1553.1
GR	324.0	1557.9	322.0	1566.1	320.0	1758.3	318.0	1764.9	318.0	1792.8
GR	320.0	1806.1	320.0	1859.6	320.0	1872.8	320.0	1931.1	320.0	1967.5
GR	322.0	2063.7	324.0	2067.2	326.0	2082.5	328.0	2095.9	328.0	2156.1
GR	326.0	2164.9	324.0	2175.2	322.0	2185.4	320.0	2198.5	320.0	2262.3
GR	320.0	2380.9	318.0	2387.6	318.0	2425.8	318.0	2426.4	318.0	2426.7
GR	320.0	2436.4	322.0	2457.0	322.0	2585.1	322.0	2817.3	324.0	2918.0
GR	326.0	2943.0	328.0	2954.1	330.0	2962.7	332.0	2970.9	334.0	3048.8
GR	334.0	3201.4	334.0	3225.7	334.0	3250.0	334.0	3273.6	342.0	3413.7
NC	0.06	0.085	0.085							
ET		6.1	8.1			1680.0	2740	1730.0	2620	
X1	390	45.0	2250.0	2402.0	520.0	520.0	520.0			
GR	336.0	100.0	336.0	273.0	336.0	510.0	336.0	800.0	334.0	810.0
GR	332.0	890.0	330.0	1000.0	332.0	1270.0	332.0	1540.0	330.0	1552.0
GR	328.0	1562.0	326.0	1590.0	324.0	1603.0	322.0	1661.0	322.0	1728.0
GR	322.0	1775.0	320.0	1781.0	318.0	1822.0	318.0	1859.0	320.0	1862.0
GR	322.0	1908.0	322.0	2195.0	324.0	2220.0	324.0	2250.0	322.0	2315.0
GR	320.0	2327.0	318.0	2337.0	318.0	2380.0	320.0	2389.0	322.0	2396.0
GR	324.0	2402.0	324.0	2780.0	322.0	2795.0	322.0	2982.0	324.0	3008.0
GR	326.0	3019.0	328.0	3025.0	330.0	3035.0	332.0	3042.0	334.0	3049.0
GR	336.0	3060.0	338.0	3110.0	336.0	3278.0	336.0	3480.0	340.0	3490.0

NC	0.04	0.04	0.075							
ET		6.1	8.1			1749.0	2605	1820.0	2585	
	DOWNSTREAM END OF MISSION CREEK DEVELOPMENT									
X1	400	41	1877.6	2531.6	705.0	495.0	540.0			
GR	338.0	0.0	336.0	236.4	334.0	957.0	332.0	972.3	332.0	1180.4
GR	332.0	1508.0	330.0	1641.2	328.0	1671.9	326.0	1712.6	324.0	1759.2
GR	324.0	1792.6	326.0	1801.2	328.0	1806.5	328.0	1836.3	326.0	1845.9
GR	324.0	1857.9	322.0	1870.4	320.0	1877.6	318.0	1888.9	318.0	2400.6
GR	320.0	2531.6	322.0	2547.9	324.0	2556.9	326.0	2565.0	328.0	2575.5
GR	330.0	2587.7	333.0	2630.0	331.0	2680.0	333.0	2820.0	325.0	2925.0
GR	324.0	3153.7	326.0	3185.0	328.0	3195.3	330.0	3323.2	332.0	3352.4
GR	334.0	3366.1	336.0	3386.9	338.0	3409.9	340.0	3428.3	342.0	3444.8
GR	344.0	3506.3								
NH	4	0.125	2329.0	0.04	3065.3	0.065	3645.9	0.04	5376.7	
ET		6.1	8.1			2970.0	3720	2970.5	3710	
X1	410	46	3065.3	3645.9	672.0	726.0	700.0			
GR	340.0	930.0	338.0	1205.0	336.0	1335.0	336.0	1760.0	336.0	2329.0
GR	336.0	2523.4	336.0	2540.8	334.0	2618.2	332.0	2807.8	332.0	2898.9
GR	332.0	2943.8	330.0	3015.9	328.0	3024.1	326.0	3034.7	324.0	3043.6
GR	322.0	3053.5	320.0	3065.3	318.0	3081.7	318.0	3558.9	320.0	3645.9
GR	322.0	3656.9	324.0	3667.7	326.0	3675.2	328.0	3684.9	330.0	3699.4
GR	332.0	3715.9	333.0	3755.0	334.0	3860.0	333.2	4020.0	332.5	4120.0
GR	334.0	4170.0	335.0	4230.0	333.0	4300.0	336.0	4380.0	335.0	4510.0
GR	333.0	4760.0	334.0	4840.0	333.0	4900.0	337.0	5000.0	337.0	5080.0
GR	336.0	5120.0	338.0	5170.0	338.0	5260.0	338.0	5269.2	340.0	5281.8
GR	340.0	5376.7								
NH	4	0.125	2616.7	0.04	3252.3	0.065	3865.0	0.04	5263.5	
ET		6.1	8.1			3180.0	3945	3200.0	3945.0	
X1	415	40	3252.3	3865.0	765.0	800.0	780.0			
GR	340.0	940.0	338.0	1132.0	338.0	1245.0	336.0	1772.0	336.0	2616.7
GR	338.0	2647.1	338.0	2816.3	336.0	2850.7	334.0	2899.9	332.0	3198.5
GR	330.0	3207.0	328.0	3214.0	326.0	3221.8	324.0	3232.7	322.0	3244.9
GR	320.0	3252.3	318.0	3270.4	318.0	3533.8	320.0	3538.4	320.0	3567.0
GR	318.0	3578.2	318.0	3739.3	320.0	3865.0	322.0	3882.3	324.0	3895.0
GR	326.0	3908.4	328.0	3915.9	330.0	3937.1	332.0	3945.0	331.0	4320.0
GR	335.0	4330.0	334.0	4435.0	334.0	4575.0	335.0	4715.0	333.0	4930.0
GR	334.0	5080.0	334.0	5130.0	338.0	5160.0	340.0	5183.8	340.0	5263.5
NH	4	0.125	2200.0	0.04	3467.1	0.075	3988.9	0.04	5306.6	
ET		6.1	8.1			3380.0	4065	3411.5	4065	
X1	420	54	3467.1	3988.9	480.0	480.0	480.0			
GR	340.0	1100.0	338.0	1210.0	338.0	1695.0	338.0	2200.0	338.0	2595.0
GR	340.0	2628.1	342.0	2709.7	342.0	2717.4	340.0	2781.4	338.0	2791.8
GR	336.0	2796.5	336.0	3236.7	338.0	3240.6	340.0	3248.5	342.0	3378.9
GR	342.0	3387.0	340.0	3392.3	338.0	3397.4	336.0	3401.5	334.0	3407.4
GR	332.0	3414.4	330.0	3420.1	328.0	3428.7	326.0	3435.2	324.0	3445.0
GR	322.0	3454.6	320.0	3467.1	318.0	3492.9	318.0	3634.8	320.0	3642.3
GR	322.0	3651.5	322.0	3741.8	320.0	3758.6	318.0	3766.4	318.0	3891.7
GR	320.0	3988.9	322.0	4008.9	324.0	4018.8	326.0	4031.9	328.0	4038.0
GR	330.0	4049.3	332.0	4057.5	333.0	4075.0	334.0	4205.0	334.0	4285.0
GR	334.0	4340.0	334.0	4445.0	335.0	4610.0	335.0	4720.0	335.0	4880.0

GR	336.0	5005.0	336.0	5075.0	340.0	5090.0	342.0	5306.6		
NC	0.04	0.04	0.05							
ET		0	8.1					2617	3057	
X1	421	63.0	2650.0	3049.1	375.0	375.0	375.0			
GR	340.0	302.7	340.0	591.8	340.0	719.1	340.0	1070.0	340.0	1093.6
GR	340.0	1099.7	340.0	1139.2	340.0	1478.6	340.0	1590.3	340.0	1920.7
GR	342.0	2207.1	344.0	2445.7	344.0	2588.2	342.0	2593.0	340.0	2600.3
GR	338.0	2606.1	336.0	2609.4	334.0	2614.9	332.0	2617.7	330.0	2624.7
GR	328.0	2627.8	326.0	2640.4	325.0	2650.0	325.0	2666.7	324.0	2680.6
GR	324.0	2701.7	324.0	2708.7	324.0	2742.2	324.0	2752.2	324.0	2785.7
GR	324.0	2792.7	324.0	2827.7	324.0	2834.7	324.0	2869.7	324.0	2876.7
GR	324.0	2910.2	324.0	2920.2	324.0	2953.7	324.0	2960.7	324.0	2995.7
GR	324.0	3002.7	324.0	3024.8	325.0	3037.7	326.0	3044.7	328.0	3049.1
GR	330.0	3052.6	332.0	3056.2	334.0	3058.6	336.0	3062.2	338.0	3073.0
GR	340.0	3081.4	342.0	3085.6	344.0	3153.8	344.0	3220.9	342.0	3349.9
GR	340.0	3643.4	339.0	3825.0	339.0	3866.7	340.0	4418.3	342.0	4554.5
GR	344.0	4615.8	346.0	4685.8	348.0	4726.0				
NC	0.04	0.04	0.03	0.3	0.5					
ET		0	8.1					2617	3057	
	CUYAMACA BRIDGE - UPSTREAM LIMIT OF MISSION CREEK DEVELOPMENT									
	(NORMAL BRIDGE ROUTINE)									
X1	422	56	2645.0	3044.7	10.0	10.0	10.0			
BT	-53	2445.7	344.0	344.0	2588.2	344.9	344.0	2593.0	345.0	342.0
BT		2600.3	345.0	342.0	2617.7	345.0	342.0	2617.7	345.0	332.0
BT		2624.7	345.0	330.0	2624.7	345.0	342.0	2659.7	345.0	342.0
BT		2659.7	345.0	325.0	2666.7	345.0	325.0	2666.7	345.0	342.0
BT		2701.7	345.0	342.0	2701.7	345.0	324.0	2708.7	345.0	324.0
BT		2708.7	345.0	342.0	2742.2	345.0	342.0	2742.2	345.0	324.0
BT		2752.2	345.0	324.0	2752.2	345.0	342.0	2785.7	345.0	342.0
BT		2785.7	345.0	324.0	2792.7	345.0	324.0	2792.7	345.0	342.0
BT		2827.7	345.0	342.0	2827.7	345.0	324.0	2834.7	345.0	324.0
BT		2834.7	345.0	342.0	2869.7	345.0	342.0	2869.7	345.0	324.0
BT		2876.7	345.0	324.0	2876.7	345.0	342.0	2910.2	345.0	342.0
BT		2910.2	345.0	324.0	2920.2	345.0	324.0	2920.2	345.0	342.0
BT		2953.7	345.0	342.0	2953.7	345.0	324.0	2960.7	345.0	324.0
BT		2960.7	345.0	342.0	2995.7	345.0	342.0	2995.7	345.0	324.0
BT		3002.7	345.0	324.0	3002.7	345.0	342.0	3037.7	345.0	342.0
BT		3037.7	345.0	325.0	3044.7	345.0	326.0	3044.7	345.0	342.0
BT		3073.0	345.0	342.0	3081.4	344.9	342.0	3085.6	344.9	342.0
BT		3153.8	344.5	344.0	3220.9	344.0	344.0			
GR	340.0	0.0	340.0	1995.0	342.0	2250.0	344.0	2445.7	344.0	2588.2
GR	342.0	2593.0	340.0	2600.3	338.0	2606.1	336.0	2609.4	334.0	2614.9
GR	332.0	2617.7	330.0	2624.7	328.0	2627.8	326.0	2645.0	325.0	2659.7
GR	325.0	2666.7	324.0	2680.6	324.0	2701.7	324.0	2708.7	324.0	2742.2
GR	324.0	2752.2	324.0	2785.7	324.0	2792.7	324.0	2827.7	324.0	2834.7
GR	324.0	2869.7	324.0	2876.7	324.0	2910.2	324.0	2920.2	324.0	2953.7
GR	324.0	2960.7	324.0	2995.7	324.0	3002.7	324.0	3024.8	325.0	3037.7
GR	326.0	3044.7	328.0	3049.1	330.0	3052.6	332.0	3056.2	334.0	3058.6
GR	336.0	3062.2	338.0	3073.0	340.0	3081.4	342.0	3085.6	344.0	3153.8
GR	344.0	3220.9	342.0	3349.9	340.0	3650.0	339.0	4000.0	340.0	4200.0
GR	342.0	4440.0	344.0	4600.0	346.0	4675.0	348.0	4726.0	350.0	4765.0
GR	360.0	4940.0								

NC	0.04	0.04	0.03							
:T		0	8.1					4616	5058	
X1	423	61	4645.0	5044.7	65.0	65.0	65.0			
BT	-53	4445.7	344.0	344.0	4588.2	344.9	344.0	4593.0	345.0	342.0
BT		4600.3	345.0	342.0	4617.7	345.0	342.0	4617.7	345.0	332.0
BT		4624.7	345.0	330.0	4624.7	345.0	342.0	4659.7	345.0	342.0
BT		4659.7	345.0	325.0	4666.7	345.0	325.0	4666.7	345.0	342.0
BT		4701.7	345.0	342.0	4701.7	345.0	324.0	4708.7	345.0	324.0
BT		4708.7	345.0	342.0	4742.2	345.0	342.0	4742.2	345.0	324.0
BT		4752.2	345.0	324.0	4752.2	345.0	342.0	4785.7	345.0	342.0
BT		4785.7	345.0	324.0	4792.7	345.0	324.0	4792.7	345.0	342.0
BT		4827.7	345.0	342.0	4827.7	345.0	324.0	4834.7	345.0	324.0
BT		4834.7	345.0	342.0	4869.7	345.0	342.0	4869.7	345.0	324.0
BT		4876.7	345.0	324.0	4876.7	345.0	342.0	4910.2	345.0	342.0
BT		4910.2	345.0	324.0	4920.2	345.0	324.0	4920.2	345.0	342.0
BT		4953.7	345.0	342.0	4953.7	345.0	324.0	4960.7	345.0	324.0
BT		4960.7	345.0	342.0	4995.7	345.0	342.0	4995.7	345.0	324.0
BT		5002.7	345.0	324.0	5002.7	345.0	342.0	5037.7	345.0	342.0
BT		5037.7	345.0	325.0	5044.7	345.0	326.0	5044.7	345.0	342.0
BT		5073.0	345.0	342.0	5081.4	344.9	342.0	5085.6	344.9	342.0
BT		5153.8	344.5	344.0	5220.9	344.0	344.0			
GR	350.0	600.0	348.0	780.0	346.0	1090.0	344.0	1300.0	342.0	1545.0
GR	340.0	1790.0	340.0	3995.0	342.0	4250.0	344.0	4445.7	344.0	4588.2
GR	342.0	4593.0	340.0	4600.3	338.0	4606.1	336.0	4609.4	334.0	4614.9
GR	332.0	4617.7	330.0	4624.7	328.0	4627.8	326.0	4645.0	325.0	4659.7
GR	325.0	4666.7	324.0	4680.6	324.0	4701.7	324.0	4708.7	324.0	4742.2
GR	324.0	4752.2	324.0	4785.7	324.0	4792.7	324.0	4827.7	324.0	4834.7
GR	324.0	4869.7	324.0	4876.7	324.0	4910.2	324.0	4920.2	324.0	4953.7
GR	324.0	4960.7	324.0	4995.7	324.0	5002.7	324.0	5024.8	325.0	5037.7
GR	326.0	5044.7	328.0	5049.1	330.0	5052.6	332.0	5056.2	334.0	5058.6
GR	336.0	5062.2	338.0	5073.0	340.0	5081.4	342.0	5085.6	344.0	5153.8
GR	344.0	5220.9	342.0	5349.9	340.0	5650.0	339.0	6000.0	340.0	6200.0
GR	342.0	6440.0	344.0	6600.0	346.0	6675.0	348.0	6726.0	350.0	6765.0
GR	360.0	6940.0								
NH	4	0.125	2035.0	0.04	4613.8	0.05	5104.2	0.04	6952.0	
ET		0	8.1					4633	5082	
X1	424	69	4658.9	5055.0	10.0	10.0	10.0			
GR	350.0	580.0	348.0	750.0	348.0	1080.0	346.0	1150.0	346.0	1370.0
GR	344.0	1575.0	342.0	1580.0	342.0	1800.0	340.0	2035.0	340.0	2132.2
GR	340.0	2145.0	340.0	2380.5	340.0	3990.8	342.0	4119.1	344.0	4360.6
GR	344.0	4609.4	342.0	4613.8	340.0	4620.1	338.0	4624.0	336.0	4628.1
GR	334.0	4631.9	332.0	4638.5	331.0	4643.2	329.0	4650.2	328.0	4654.6
GR	326.0	4658.9	326.0	4685.2	326.0	4692.2	326.0	4727.2	326.0	4734.2
GR	326.0	4767.7	326.0	4777.7	326.0	4811.2	326.0	4818.2	326.0	4853.2
GR	326.0	4860.2	326.0	4895.2	326.0	4902.2	326.0	4935.7	326.0	4945.7
GR	326.0	4979.2	326.0	4986.2	326.0	5021.2	326.0	5028.2	326.0	5055.0
GR	327.0	5063.2	328.0	5070.2	330.0	5075.7	332.0	5080.9	334.0	5082.8
GR	336.0	5089.5	338.0	5094.7	340.0	5097.0	342.0	5104.2	344.0	5110.0
GR	344.0	5259.8	342.0	5451.8	340.0	5618.0	340.0	5725.4	339.0	5804.5
GR	339.0	5968.7	340.0	6027.7	340.0	6173.6	342.0	6449.1	344.0	6595.1
GR	346.0	6870.0	348.0	6910.0	350.0	6930.0	358.0	6952.0		

NH	4	0.125	2041.0	0.045	4805.9	0.075	5113.2	0.045	6961.0	
ET		6.1	8.1			4365.0	5400.0	4420	5270	
X1	425	39	4805.9	5113.2	285.0	215.0	225.0			
GR	350.0	1185.0	348.0	1262.0	346.0	1390.0	344.0	1890.0	342.0	2041.0
GR	340.0	2142.0	338.0	2150.0	335.9	3406.5	334.0	3428.9	334.0	3510.7
GR	335.9	3568.7	338.0	3680.0	338.0	4166.4	338.0	4189.8	338.0	4366.3
GR	336.0	4371.5	334.0	4381.6	332.0	4456.4	330.0	4626.7	328.0	4805.9
GR	326.0	4838.8	326.0	4902.3	326.0	4999.7	326.0	5043.9	328.0	5113.2
GR	330.0	5344.6	332.0	5451.5	334.0	5583.1	334.0	5617.4	334.0	5729.9
GR	336.0	6044.3	338.0	6089.0	340.0	6181.4	342.0	6428.1	344.0	6890.0
GR	346.0	6935.0	348.0	6942.0	350.0	6948.0	356.0	6961.0		
NC	0	0	0	0.1	0.3					
NH	4	0.125	2555.0	0.045	5520.6	0.075	5704.9	0.045	7548.0	
ET		6.1	8.1			4540.0	6000.0	4860	5860	
X1	430	37	5520.6	5704.9	495.0	465.0	470.0			
GR	350.0	1340.0	346.0	1807.0	346.0	2122.0	344.0	2253.0	344.0	2412.0
GR	342.0	2555.0	340.0	2657.0	338.0	3921.0	336.0	3959.0	336.0	4058.5
GR	336.0	4473.2	336.0	4516.0	338.0	4556.7	338.0	4811.0	336.0	4905.8
GR	336.0	5036.3	336.0	5322.7	334.0	5369.8	332.0	5505.1	330.0	5511.1
GR	328.0	5520.6	326.0	5536.0	326.0	5665.0	328.0	5704.9	330.0	5717.6
GR	330.0	5849.9	330.0	6295.6	332.0	6315.9	334.0	6349.1	336.0	6378.4
GR	338.0	6557.5	340.0	6787.6	342.0	7019.6	344.0	7440.0	346.0	7530.0
GR	348.0	7540.0	350.0	7548.0						
QT	2	34000	34000							
NH	4	0.125	2030.0	0.045	5118.7	0.075	5291.8	0.045	6650.0	
ET		6.1	8.1			4030.0	5540.0	4365	5420	
X1	440	52	5118.7	5291.8	535.0	550.0	545.0			
GR	350.0	1080.0	346.0	1445.0	348.0	1459.0	348.0	1550.0	346.0	1675.0
GR	344.0	2030.0	342.0	2150.0	340.0	3430.3	338.0	3456.9	336.0	3631.7
GR	336.0	3663.2	338.0	3687.3	340.0	3714.2	340.0	4208.8	338.0	4388.9
GR	338.0	4524.7	338.0	4718.6	336.0	4725.0	330.0	5052.0	330.0	5084.9
GR	334.0	5107.3	332.0	5113.6	330.0	5118.7	328.0	5127.5	328.0	5264.0
GR	330.0	5291.8	332.0	5305.1	334.0	5311.0	336.0	5334.8	336.0	5369.0
GR	336.0	5422.4	338.0	5442.9	340.0	5522.5	340.0	5563.3	338.0	5749.0
GR	338.0	5763.4	338.0	5848.7	338.0	5939.2	338.0	6011.5	336.0	6039.2
GR	334.0	6050.3	332.0	6058.1	332.0	6066.5	334.0	6091.4	336.0	6112.2
GR	338.0	6120.5	340.0	6132.0	342.0	6409.4	344.0	6585.0	346.0	6618.2
GR	348.0	6637.6	350.0	6650.0						
NH	4	0.125	2072.0	0.055	4864.8	0.03	5377.9	0.055	6949.6	
ET		6.1	8.1			4030.0	5500.0	4375	5410.0	
X1	450	49	4864.8	5377.9	575.0	545.0	530.0			
GR	350.0	1240.0	348.0	1440.0	350.0	1520.0	338.0	1585.0	338.0	1743.0
GR	336.0	1937.0	344.0	2072.0	344.0	2130.0	344.0	2155.0	342.0	2165.0
GR	342.0	2872.7	342.0	3360.1	340.0	3445.5	340.0	3579.3	340.0	3711.6
GR	338.0	3740.8	336.0	3747.9	336.0	3753.9	338.0	3789.5	340.0	3843.7
GR	342.0	4093.9	342.0	4177.2	340.0	4218.7	338.0	4487.1	336.0	4498.4
GR	334.0	4510.9	332.0	4641.3	332.0	4651.7	334.0	4820.3	336.0	4836.0
GR	336.0	4854.3	334.0	4857.6	332.0	4862.0	330.0	4864.8	328.0	4871.7
GR	328.0	5369.9	330.0	5377.9	340.0	5397.3	340.0	5957.7	340.0	6045.4
GR	342.0	6101.1	342.0	6215.9	340.0	6230.0	340.0	6278.0	342.0	6293.1

GR	344.0	6493.9	346.0	6760.6	348.0	6921.3	350.0	6949.6		
NH	4	0.125	2055.0	0.055	4626.2	0.03	5331.2	0.055	6792.0	
ET		6.1	8.1			4025.0	5600.0	4380	5360.0	
X1	460	43	4626.2	5331.2	480.0	425.0	440.0			
GR	350.0	1220.0	346.0	1470.0	344.0	1860.0	346.0	2055.0	346.0	2132.0
GR	346.0	2162.0	344.0	2208.0	342.0	3091.2	342.0	3321.4	344.0	3345.9
GR	344.0	3411.5	342.0	3819.8	340.0	3824.7	340.0	3844.0	342.0	3912.4
GR	342.0	3979.8	340.0	4198.8	338.0	4226.4	336.0	4313.8	336.0	4582.0
GR	336.0	4610.6	334.0	4617.1	332.0	4620.2	330.0	4626.2	328.0	4630.1
GR	328.0	5252.6	330.0	5331.2	340.0	5356.8	340.0	5383.4	340.0	5476.7
GR	342.0	5845.6	342.0	5959.6	342.0	6188.7	344.0	6197.4	346.0	6296.4
GR	346.0	6376.8	344.0	6385.2	342.0	6399.7	342.0	6575.7	344.0	6587.7
GR	346.0	6645.3	348.0	6750.0	350.0	6792.0				
NH	6	0.125	1790.0	0.045	2590.0	0.100	3579.6	0.045	5002.1	0.07
NH	5145.9	0.045	6460.0							
ET		6.1	8.1			3700.0	5250.0	4125	5130.0	
X1	470	64	5002.1	5145.9	790.0	430.0	480.0			
GR	350.0	600.0	346.0	1245.0	348.0	1323.0	348.0	1790.0	348.0	1885.0
GR	346.0	1892.0	346.0	2590.0	346.0	3020.0	346.0	3483.5	346.0	3520.4
GR	346.0	3579.6	344.0	3685.9	342.0	3709.5	340.0	3715.3	338.0	3720.0
GR	338.0	3725.9	340.0	3732.2	340.0	3847.1	338.0	4279.4	336.0	4285.0
GR	334.0	4293.9	332.0	4306.5	332.0	4345.6	332.0	4372.4	330.0	4384.2
GR	330.0	4423.6	340.0	4459.4	342.0	4471.1	342.0	4556.9	340.0	4613.1
GR	338.0	4618.3	336.0	4624.9	334.0	4632.7	334.0	4698.0	336.0	4706.4
GR	338.0	4729.0	338.0	4764.9	338.0	4837.2	338.0	4863.7	336.0	4874.6
GR	334.0	4887.4	332.0	4914.2	330.0	5002.1	328.0	5083.6	328.0	5130.1
GR	330.0	5145.9	340.0	5162.1	342.0	5168.9	344.0	5235.6	344.0	5596.5
GR	342.0	5821.0	342.0	5959.5	344.0	5994.9	346.0	6007.4	348.0	6035.5
GR	348.0	6205.0	346.0	6216.0	344.0	6220.0	342.0	6315.0	342.0	6386.0
GR	344.0	6405.0	346.0	6419.0	348.0	6435.0	350.0	6460.0		
NH	4	0.100	2619.8	0.045	3872.7	0.07	4124.9	0.045	5570.7	
ET		6.1	8.1			2870.0	4200.0	3105	4125.6	
X1	480	41	3872.7	4124.9	305.0	280.0	280.0			
GR	356.0	1132.0	356.0	1228.0	354.0	1275.0	352.0	1286.0	352.0	1390.0
GR	350.0	1446.0	348.0	1450.0	346.0	1455.0	346.0	1467.0	348.0	1950.0
GR	348.0	2113.2	346.0	2545.0	344.0	2619.8	342.0	2664.9	342.0	2687.7
GR	342.0	2739.0	342.0	3361.5	344.0	3483.8	344.0	3688.0	342.0	3866.6
GR	340.0	3872.7	330.0	3894.3	330.0	4069.2	332.0	4095.4	334.0	4114.1
GR	336.0	4116.2	338.0	4120.0	340.0	4124.9	342.0	4132.6	344.0	4189.7
GR	344.0	4740.3	344.0	5007.8	346.0	5016.3	348.0	5024.5	348.0	5269.2
GR	346.0	5273.4	344.0	5277.1	344.0	5511.3	346.0	5541.5	348.0	5560.0
GR	350.0	5570.7								
NH	4	0.100	2502.0	0.045	3854.9	0.07	4098.1	0.045	5643.7	
ET		6.1	8.1			2900.0	4240.0	3120	4140	
X1	483	45	3854.9	4098.1	100.0	105.0	100.0			
GR	356.0	1105.0	356.0	1280.0	354.0	1290.0	352.0	1430.0	350.0	1454.0
GR	348.0	1460.0	348.0	2105.1	346.0	2502.0	344.0	2612.0	342.0	2665.7
GR	342.0	2683.7	342.0	2769.5	342.0	3359.5	342.0	3379.8	342.0	3410.7
GR	344.0	3450.4	344.0	3816.5	342.0	3837.7	340.0	3854.9	330.0	3895.7
GR	330.0	4009.3	332.0	4079.9	334.0	4088.0	336.0	4091.9	338.0	4095.3

GR	340.0	4098.1	342.0	4103.2	342.0	4137.8	340.0	4141.5	340.0	4162.6
GR	342.0	4171.8	344.0	4215.5	344.0	4767.9	344.0	5026.4	346.0	5036.5
GR	348.0	5044.5	348.0	5286.1	346.0	5290.9	344.0	5396.7	344.0	5436.4
GR	344.0	5502.7	344.0	5543.5	346.0	5604.2	348.0	5621.7	350.0	5643.7
NC	0.045	0.045	0.07							
ET		6.1	8.1			2920.0	4190.0	3080	4095	
X1	484	26	3795.2	4061.4	110.0	160.0	115.0			
GR	356.0	1100.0	356.0	1270.0	354.0	1315.0	352.0	1350.0	350.0	1373.0
GR	348.0	1419.0	346.0	1810.0	344.0	2690.0	342.0	2965.4	342.0	3369.7
GR	344.0	3472.5	344.0	3650.8	342.0	3795.2	340.0	3810.8	330.0	3835.1
GR	330.0	3898.3	332.0	3907.2	334.0	3912.9	336.0	3918.5	338.0	3980.9
GR	340.0	4017.8	342.0	4061.4	344.0	4422.3	346.0	4997.8	348.0	5278.5
GR	350.0	5330.8								
NC	0.045	0.045	0.07							
ET		6.1	8.1			2920.0	4180.0	3080	4095	
	CHUBB LANE CROSSING									
X1	485	20	3795.2	4061.4	10.0	10.0	10.0			
GR	356.0	1100.0	356.0	1270.0	354.0	1315.0	352.0	1350.0	350.0	1373.0
GR	348.0	1419.0	346.0	1810.0	344.0	2690.0	342.0	2965.4	342.0	3369.7
GR	344.0	3472.5	344.0	3650.8	342.0	3795.2	340.0	3810.8	340.0	4017.8
GR	342.0	4061.4	344.0	4422.3	346.0	4997.8	348.0	5278.5	350.0	5330.8
NC	0.045	0.045	0.07							
ET		6.1	8.1			2920.0	4180.0	3080	4095	
X1	486	26	3795.2	4061.4	10.0	10.0	10.0			
GR	356.0	1100.0	356.0	1270.0	354.0	1315.0	352.0	1350.0	350.0	1373.0
GR	348.0	1419.0	346.0	1810.0	344.0	2690.0	342.0	2965.4	342.0	3369.7
GR	344.0	3472.5	344.0	3650.8	342.0	3795.2	340.0	3810.8	330.0	3835.1
GR	330.0	3898.3	332.0	3907.2	334.0	3912.9	336.0	3918.5	338.0	3980.9
GR	340.0	4017.8	342.0	4061.4	344.0	4422.3	346.0	4997.8	348.0	5278.5
GR	350.0	5330.8								
NH	4	0.04	3797.7	0.07	3905.4	.075	4841.3	0.125	5380.0	
ET		6.1	8.1			3030.0	4120.0	3030	4050	
X1	490	36	3797.7	3905.4	175.0	175.0	175.0			
GR	354.0	110.0	354.0	1280.0	352.0	1310.0	350.0	1330.0	348.0	1358.0
GR	346.0	1408.0	346.0	2451.7	342.0	3056.1	342.0	3463.8	342.0	3544.0
GR	342.0	3616.0	342.0	3686.6	340.0	3704.2	340.0	3748.6	340.0	3774.1
GR	338.0	3780.9	336.0	3797.7	334.0	3806.3	332.0	3814.2	330.0	3830.2
GR	330.0	3875.2	332.0	3892.7	334.0	3900.1	336.0	3905.4	338.0	3911.0
GR	340.0	3917.1	342.0	3924.4	342.0	4001.3	346.0	4712.1	348.0	4717.7
GR	348.0	4725.7	346.0	4737.3	346.0	4793.3	348.0	4841.3	350.0	4959.4
GR	352.0	5380.0								
QT	2	33000	33000							
NH	5	0.085	2633.5	0.03	3766.7	0.04	4005.4	0.03	4739.8	0.125
NH	6165.0									
ET		6.1	8.1			3280.0	4190.0	3280	4155	

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X1    500      44    3766.7   4005.4    495.0    525.0    510.0
GR    358.0    830.0    356.0    900.0    354.0   1045.0    352.0   1089.0    350.0   1175.0
GR    348.0   1242.0    348.0   2080.0    348.0   2633.5    346.0   2640.9    346.0   2735.0
GR    346.0   2810.0    344.0   3339.8    342.0   3695.5    338.0   3741.7    336.0   3751.7
GR    334.0   3766.7    332.0   3793.9    330.0   3843.9    330.0   3989.1    332.0   3998.5
GR    334.0   4005.4    336.0   4015.5    338.0   4023.5    340.0   4112.9    338.0   4126.6
GR    336.0   4139.9    336.0   4175.3    338.0   4185.5    340.0   4201.8    342.0   4395.8
GR    342.0   4399.9    346.0   4407.0    346.0   4469.5    346.0   4591.4    348.0   4594.7
GR    348.0   4599.1    348.0   4617.3    348.0   4625.8    348.0   4647.7    348.0   4679.9
GR    348.0   4739.8    350.0   4933.4    352.0   5300.0    354.0   6165.0

NH      5     0.065   2393.3     0.03   3835.4     0.04   4360.7     0.03   4590.8    0.125
NH   6670.0
ET              0       8.1                                        3851.0   4335.0
X1    507      63    3860.7   4289.5    510.0    450.0    470.0
GR    360.0    960.0    358.0   1050.0    356.0   1095.0    354.0   1357.0    352.0   1435.0
GR    350.0   1590.0    348.0   1765.0    348.0   1800.0    350.0   2192.2    350.0   2393.3
GR    348.0   3070.0    348.0   3487.6    350.0   3675.1    352.0   3743.8    352.0   3835.4
GR    350.0   3839.8    348.0   3847.1    346.0   3853.6    344.0   3856.3    342.0   3860.7
GR    340.0   3865.6    339.0   3869.5    338.0   3876.5    336.0   3889.4    336.0   3911.5
GR    336.0   3918.5    336.0   3953.5    336.0   3960.5    336.0   3994.0    334.0   4004.0
GR    334.0   4037.5    334.0   4044.5    334.0   4079.5    334.0   4086.5    334.0   4121.5
GR    334.0   4128.5    334.0   4162.0    336.0   4172.0    336.0   4205.5    336.0   4212.5
GR    336.0   4226.3    337.0   4247.5    338.0   4252.3    339.0   4254.5    340.0   4259.3
GR    342.0   4267.2    342.0   4267.4    342.0   4289.5    342.0   4296.5    342.0   4304.1
GR    342.0   4322.4    346.0   4332.1    348.0   4339.3    350.0   4346.2    352.0   4360.7
GR    352.0   4419.1    350.0   4539.4    350.0   4590.8    352.0   5410.1    354.0   6320.0
GR    356.0   6500.0    358.0   6600.0    360.0   6670.0

NC     0.04     0.04     0.03      0.3      0.5
ET              0       8.1                                        3852     4334.0
        MAGNOLIA AVE BRIDGE  (NORMAL BRIDGE ROUTINE)
X1    508      58    3860.7   4289.5     10.0     10.0     10.0
BT    -49    3743.8    352.0    352.0   3835.4    354.5    352.0   3869.5    355.0    352.0
BT           3869.5    355.0    339.0   3876.5    355.0    338.0   3876.5    355.0    352.0
BT           3911.5    355.0    352.0   3911.5    355.0    336.0   3918.5    355.0    336.0
BT           3918.5    355.0    352.0   3953.5    355.0    352.0   3953.5    355.0    336.0
BT           3960.5    355.0    336.0   3960.5    355.0    352.0   3994.0    355.0    352.0
BT           3994.0    355.0    336.0   4004.0    355.0    336.0   4004.0    355.0    352.0
BT           4037.5    355.0    352.0   4037.5    355.0    336.0   4044.5    355.0    336.0
BT           4044.5    355.0    352.0   4079.5    355.0    352.0   4079.5    355.0    336.0
BT           4086.5    355.0    336.0   4086.5    355.0    352.0   4121.5    355.0    352.0
BT           4121.5    355.0    336.0   4128.5    355.0    336.0   4128.5    355.0    352.0
BT           4162.0    355.0    352.0   4162.0    355.0    336.0   4172.0    355.0    336.0
BT           4172.0    355.0    352.0   4205.5    355.0    352.0   4205.5    355.0    336.0
BT           4212.5    355.0    336.0   4212.5    355.0    352.0   4247.5    355.0    352.0
BT           4247.5    355.0    337.0   4254.5    355.0    339.0   4254.5    355.0    352.0
BT           4289.5    355.0    352.0   4289.5    355.0    342.0   4296.5    355.0    342.0
BT           4296.5    355.0    352.0   4346.2    355.0    352.0   4360.7    354.0    352.0
BT           4450.0    352.0    352.0
GR    360.0    965.0    358.0   1085.0    356.0   1225.0    354.0   1345.0    352.0   1510.0
GR    350.0   2420.0    348.0   3070.0    348.0   3487.6    350.0   3675.1    352.0   3743.8
GR    352.0   3835.4    350.0   3839.8    348.0   3847.1    346.0   3853.6    344.0   3856.3
GR    342.0   3860.7    340.0   3865.6    339.0   3869.5    338.0   3876.5    336.0   3889.4
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GR	336.0	3911.5	336.0	3918.5	336.0	3953.5	336.0	3960.5	336.0	3994.0
GR	334.0	4004.0	334.0	4037.5	334.0	4044.5	334.0	4079.5	334.0	4086.5
GR	334.0	4121.5	334.0	4128.5	334.0	4162.0	336.0	4172.0	336.0	4205.5
GR	336.0	4212.5	336.0	4226.3	337.0	4247.5	338.0	4252.3	339.0	4254.5
GR	340.0	4259.3	342.0	4267.2	342.0	4267.4	342.0	4289.5	342.0	4296.5
GR	342.0	4304.1	342.0	4322.4	346.0	4332.1	348.0	4339.3	350.0	4346.2
GR	352.0	4360.7	352.0	4450.0	352.0	5050.0	352.0	5450.0	354.0	6150.0
GR	356.0	6290.0	358.0	6680.0	360.0	6810.0				
NC	0.04	0.04	0.03							
ET		0	8.1					3851.0	4335.0	
X1	509	58	3889.4	4322.4	65.0	65.0	65.0			
BT	-49	3743.8	352.0	352.0	3835.4	354.5	352.0	3869.5	355.0	352.0
BT		3869.5	355.0	339.0	3876.5	355.0	338.0	3876.5	355.0	352.0
BT		3911.5	355.0	352.0	3911.5	355.0	336.0	3918.5	355.0	336.0
BT		3918.5	355.0	352.0	3953.5	355.0	352.0	3953.5	355.0	336.0
BT		3960.5	355.0	336.0	3960.5	355.0	352.0	3994.0	355.0	352.0
BT		3994.0	355.0	336.0	4004.0	355.0	336.0	4004.0	355.0	352.0
BT		4037.5	355.0	352.0	4037.5	355.0	336.0	4044.5	355.0	336.0
BT		4044.5	355.0	352.0	4079.5	355.0	352.0	4079.5	355.0	336.0
BT		4086.5	355.0	336.0	4086.5	355.0	352.0	4121.5	355.0	352.0
BT		4121.5	355.0	336.0	4128.5	355.0	336.0	4128.5	355.0	352.0
BT		4162.0	355.0	352.0	4162.0	355.0	336.0	4172.0	355.0	336.0
BT		4172.0	355.0	352.0	4205.5	355.0	352.0	4205.5	355.0	336.0
BT		4212.5	355.0	336.0	4212.5	355.0	352.0	4247.5	355.0	352.0
BT		4247.5	355.0	337.0	4254.5	355.0	339.0	4254.5	355.0	352.0
BT		4289.5	355.0	352.0	4289.5	355.0	342.0	4296.5	355.0	342.0
BT		4296.5	355.0	352.0	4346.2	355.0	352.0	4360.7	354.0	352.0
BT		4450.0	352.0	352.0						
GR	360.0	965.0	358.0	1085.0	356.0	1225.0	354.0	1345.0	352.0	1510.0
GR	350.0	2420.0	348.0	3070.0	348.0	3487.6	350.0	3675.1	352.0	3743.8
GR	352.0	3835.4	350.0	3839.8	348.0	3847.1	346.0	3853.6	344.0	3856.3
GR	342.0	3860.7	340.0	3865.6	339.0	3869.5	338.0	3876.5	336.0	3889.4
GR	336.0	3911.5	336.0	3918.5	336.0	3953.5	336.0	3960.5	336.0	3994.0
GR	334.0	4004.0	334.0	4037.5	334.0	4044.5	334.0	4079.5	334.0	4086.5
GR	334.0	4121.5	334.0	4128.5	334.0	4162.0	336.0	4172.0	336.0	4205.5
GR	336.0	4212.5	336.0	4226.3	337.0	4247.5	338.0	4252.3	339.0	4254.5
GR	340.0	4259.3	342.0	4267.2	342.0	4267.4	342.0	4289.5	342.0	4296.5
GR	342.0	4304.1	342.0	4322.4	346.0	4332.1	348.0	4339.3	350.0	4346.2
GR	352.0	4360.7	352.0	4450.0	352.0	5050.0	352.0	5450.0	354.0	6150.0
GR	356.0	6290.0	358.0	6680.0	360.0	6810.0				
NH	5	0.125	3603.7	0.03	3864.3	0.04	4357.7	0.03	4787.9	0.125
NH	6500.0									
ET		6.1	8.1			3864.0	4358.0	3867.0	4352.0	
X1	510	67	3885.3	4317.2	10.0	10.0	10.0			
GR	360.0	1000.0	358.0	1120.0	356.0	1230.0	354.0	1350.0	352.0	1480.0
GR	352.0	2160.4	354.0	2166.0	354.0	2725.2	352.0	2794.1	350.0	2800.2
GR	348.0	2927.2	348.0	3502.2	350.0	3603.7	352.0	3725.7	352.0	3854.6
GR	350.0	3859.7	348.0	3864.3	346.0	3872.7	344.0	3875.1	342.0	3885.3
GR	340.0	3888.1	339.0	3897.2	336.0	3904.2	336.0	3939.2	336.0	3946.2
GR	336.0	3981.2	335.0	3988.2	335.0	4021.7	335.0	4031.7	335.0	4065.2
GR	334.0	4072.2	334.0	4099.9	333.0	4107.2	333.0	4114.2	332.0	4118.2
GR	332.0	4138.2	334.0	4141.3	334.0	4149.2	335.0	4156.2	335.0	4189.7

GR	335.0	4199.7	335.0	4233.2	336.0	4240.2	336.0	4261.1	338.0	4264.2
GR	340.0	4272.0	340.0	4275.2	341.0	4282.2	341.0	4317.2	342.0	4324.2
GR	344.0	4330.0	346.0	4338.6	348.0	4357.7	348.0	4451.3	346.0	4474.4
GR	346.0	4560.8	348.0	4643.2	350.0	4686.4	352.0	4787.9	354.0	4949.8
GR	356.0	5106.6	356.0	5735.0	354.0	5745.0	354.0	5815.0	356.0	6265.0
GR	358.0	6305.0	360.0	6500.0						
NC	0	0	0	0.1	0.3					
NH	3	.125	3614.7	0.04	4704.9	0.125	6505.0			
ET		6.1	8.1			3640.0	4470.0	3750	4440.0	
X1	515	53	3935.0	4447.8	250.0	350.0	275.0			
GR	362.0	710.0	360.0	720.0	358.0	785.0	356.0	866.0	354.0	1170.0
GR	352.0	1700.0	352.0	2020.0	354.0	2100.0	354.0	2376.8	352.0	2799.9
GR	350.0	3013.6	348.0	3176.9	348.0	3407.4	348.0	3614.7	348.0	3639.6
GR	346.0	3642.6	346.0	3643.2	344.0	3648.3	342.0	3652.1	340.0	3656.8
GR	338.0	3665.5	346.0	3667.9	336.0	3675.4	334.0	3935.0	332.0	3951.7
GR	332.0	4435.6	334.0	4447.8	336.0	4456.4	338.0	4469.2	340.0	4526.5
GR	342.0	4537.8	344.0	4543.0	346.0	4557.9	348.0	4603.2	350.0	4609.2
GR	352.0	4615.3	352.0	4647.6	352.0	4662.2	354.0	4666.4	354.0	4704.9
GR	354.0	4863.6	356.0	5134.3	356.0	5500.0	354.0	5620.0	354.0	5675.0
GR	356.0	5765.0	356.0	5830.0	354.0	5880.0	354.0	5940.0	356.0	6035.0
GR	358.0	6120.0	360.0	6420.0	362.0	6505.0				
NH	5	0.125	4258.6	0.04	4387.7	0.03	4851.5	0.04	5018.7	0.125
NH	6900.0									
ET		6.1	8.1			4240.0	5000.0	4240.0	4865.0	
X1	520	65	4347.8	4855.3	515.0	590.0	560.0			
GR	362.0	1250.0	360.0	1261.0	358.0	1319.0	356.0	1540.0	354.0	1650.0
GR	352.0	2055.0	352.0	2209.2	354.0	2588.6	356.0	2679.1	356.0	2743.9
GR	354.0	3131.2	354.0	3204.9	354.0	3232.3	352.0	3297.2	352.0	3308.2
GR	352.0	3319.1	352.0	3327.2	352.0	3343.9	350.0	3512.7	348.0	3663.8
GR	348.0	3669.4	348.0	3965.0	348.0	4106.2	348.0	4106.7	348.0	4158.5
GR	348.0	4258.6	346.0	4263.3	344.0	4268.6	342.0	4272.0	340.0	4275.2
GR	338.0	4279.7	336.0	4283.7	334.0	4347.8	332.0	4387.7	332.0	4523.9
GR	334.0	4530.9	334.0	4704.9	332.0	4708.7	332.0	4851.5	334.0	4855.3
GR	336.0	4860.2	338.0	4866.8	340.0	4876.8	342.0	4919.9	344.0	4927.6
GR	346.0	4929.8	348.0	4933.4	350.0	4951.4	352.0	4959.9	354.0	4990.6
GR	356.0	4998.1	356.0	5018.7	354.0	5361.1	354.0	5395.8	356.0	5475.0
GR	358.0	5510.0	356.0	5585.0	356.0	5930.0	358.0	5965.0	356.0	6150.0
GR	356.0	6200.0	358.0	6290.0	358.0	6720.0	360.0	6810.0	362.0	6900.0
NH	4	0.100	4012.3	0.04	4190.2	0.03	4516.3	0.04	6460.0	
ET		6.1	8.1			4050.0	4691.0	4170	4650.0	
X1	530	53	4190.2	4516.3	640.0	610.0	620.0			
GR	362.0	1570.0	360.0	1582.0	358.0	1775.0	356.0	1790.0	356.0	1985.0
GR	356.0	2190.2	354.0	2655.8	354.0	2937.3	352.0	2958.0	350.0	3490.2
GR	350.0	4012.3	350.0	4089.9	348.0	4095.2	346.0	4143.4	344.0	4151.9
GR	342.0	4155.4	340.0	4159.6	338.0	4174.5	336.0	4183.0	334.0	4190.2
GR	334.0	4516.3	336.0	4525.2	338.0	4589.7	340.0	4647.5	350.0	4666.3
GR	352.0	4674.7	360.0	4691.0	360.0	4705.1	354.0	4712.6	352.0	4718.3
GR	350.0	4725.4	350.0	4760.9	352.0	4781.7	354.0	4795.3	356.0	4806.9
GR	358.0	4832.0	360.0	4863.8	360.0	4905.5	358.0	5015.0	356.0	5040.0
GR	356.0	5300.0	354.0	5430.0	356.0	5500.0	358.0	5680.0	358.0	5783.0
GR	356.0	5787.0	354.0	5855.0	354.0	5975.0	356.0	6035.0	358.0	6040.0

GR	360.0	6410.0	360.0	6455.0	362.0	6460.0				
NH	4	0.100	1987.3	0.04	2128.1	0.03	2406.4	0.04	3590.0	
ET		6.1	8.1			2070.0	2600.0	2120	2530.0	
X1	535	36	2119.8	2411.1	290.0	275.0	280.0			
GR	360.0	0.0	358.0	188.8	356.0	211.0	354.0	228.7	354.0	314.3
GR	354.0	334.2	354.0	351.3	354.0	695.4	352.0	1004.9	352.0	1261.4
GR	352.0	1339.2	350.0	1389.9	350.0	1987.3	350.0	2065.4	348.0	2095.4
GR	346.0	2098.9	344.0	2102.4	342.0	2107.7	340.0	2113.5	338.0	2117.2
GR	336.0	2119.8	334.0	2128.1	334.0	2406.4	336.0	2411.1	338.0	2445.2
GR	340.0	2478.5	342.0	2515.2	344.0	2529.9	346.0	2535.1	348.0	2543.0
GR	350.0	2635.3	352.0	2651.1	354.0	2773.2	356.0	3360.0	358.0	3390.0
GR	360.0	3590.0								
NH	4	0.100	1900.0	0.04	2065.8	0.03	2390.6	0.04	3240.0	
ET		0	8.1					2055	2467.0	
X1	540	36	2055.8	2395.1	365.0	335.0	350.0			
GR	364.0	126.0	362.0	255.0	360.0	292.6	358.0	352.3	356.0	382.5
GR	356.0	410.9	356.0	877.4	354.0	963.3	354.0	968.2	354.0	1262.3
GR	354.0	1625.0	354.0	1706.5	352.0	1727.1	351.0	1900.0	350.0	2004.7
GR	340.0	2027.6	338.0	2035.3	336.0	2055.8	334.0	2065.8	334.0	2390.6
GR	336.0	2395.1	338.0	2410.3	340.0	2416.7	342.0	2432.0	344.0	2444.2
GR	346.0	2460.4	348.0	2466.0	350.0	2474.7	352.0	2495.3	354.0	2555.1
GR	354.0	2571.0	354.0	2617.2	356.0	2676.7	356.0	3100.0	358.0	3200.0
GR	360.0	3240.0								
NH	6	0.100	1120.0	0.06	1701.3	0.04	1900.5	0.03	2149.2	0.04
NH	2539.6	0.125	2909.2							
ET		0	8.1					1830.0	2350	
X1	550	40.0	1894.0	2153.3	645.0	655.0	650.0			
GR	370.0	147.4	368.0	151.1	366.0	158.9	364.0	168.9	364.0	250.9
GR	364.0	308.1	362.0	326.8	358.0	354.2	356.0	381.8	356.0	568.8
GR	356.0	1120.0	354.0	1377.0	354.0	1422.7	354.0	1701.3	352.0	1718.0
GR	350.0	1746.6	340.0	1828.0	338.0	1831.6	336.0	1894.0	334.0	1900.5
GR	334.0	2149.2	336.0	2153.3	338.0	2156.8	340.0	2199.4	342.0	2214.0
GR	344.0	2223.8	344.0	2280.7	344.0	2333.5	346.0	2348.4	348.0	2353.7
GR	350.0	2356.8	352.0	2359.2	354.0	2368.0	356.0	2382.7	358.0	2421.7
GR	360.0	2425.5	360.0	2539.6	360.0	2636.9	362.0	2722.6	364.0	2909.2
NH	4	0.05	1643.0	0.03	1885.4	0.04	2282.7	0.125	2809.5	
ET		0	8.1					1575	2200	
X1	560	46.0	1638.2	1898.1	605.0	595.0	600.0			
GR	362.0	136.3	362.0	194.5	364.0	210.8	366.0	233.2	366.0	287.9
GR	366.0	315.1	366.0	371.5	364.0	385.2	362.0	390.9	360.0	455.9
GR	358.0	466.9	356.0	617.4	356.0	992.7	358.0	1010.1	358.0	1064.6
GR	356.0	1372.1	354.0	1497.6	352.0	1542.9	350.0	1558.0	340.0	1585.4
GR	338.0	1592.1	336.0	1638.2	334.0	1643.0	334.0	1885.4	336.0	1898.1
GR	338.0	2060.8	340.0	2071.8	342.0	2121.3	344.0	2208.5	346.0	2214.3
GR	348.0	2217.3	350.0	2220.7	352.0	2224.7	354.0	2227.4	356.0	2254.0
GR	358.0	2260.6	360.0	2279.6	362.0	2282.7	362.0	2385.4	362.0	2469.4
GR	364.0	2537.2	366.0	2600.1	368.0	2650.4	370.0	2686.2	372.0	2770.6
GR	374.0	2809.5								

NH	4	0.100	986.3	0.05	1187.5	0.03	1383.4	0.04	1850.5	
TT		0	8.1					1080	1790	
X1	562	40.0	1181.4	1385.0	280.0	285.0	280.0			
GR	366.0	106.5	364.0	123.2	362.0	127.7	360.0	134.7	360.0	138.6
GR	360.0	169.0	358.0	191.7	358.0	219.4	358.0	231.0	356.0	395.2
GR	356.0	419.7	356.0	630.2	356.0	691.3	356.0	986.3	354.0	1059.2
GR	352.0	1064.0	350.0	1068.5	340.0	1107.5	338.0	1127.7	336.0	1181.4
GR	334.0	1187.5	334.0	1383.4	336.0	1385.0	334.0	1453.1	334.0	1484.7
GR	338.0	1555.7	340.0	1600.9	340.0	1633.0	340.0	1698.3	342.0	1712.0
GR	344.0	1780.4	346.0	1790.8	348.0	1797.9	350.0	1801.1	352.0	1812.1
GR	354.0	1816.6	356.0	1819.1	358.0	1821.8	360.0	1826.7	362.0	1850.5
NH	5	0.100	821.7	0.05	1102.1	0.03	1325.5	0.04	1694.5	0.125
NH	1835.5									
ET		0	8.1					920	1650	
X1	564	34.0	1053.1	1332.2	220.0	220.0	220.0			
GR	364.0	130.8	362.0	135.1	360.0	178.5	360.0	194.3	360.0	199.1
GR	358.0	210.6	356.0	821.7	354.0	896.6	351.0	902.2	350.0	905.0
GR	348.0	910.5	346.0	916.1	344.0	926.7	342.0	943.3	338.0	959.8
GR	336.0	1053.1	334.0	1102.1	334.0	1325.5	336.0	1332.2	338.0	1506.9
GR	340.0	1539.8	342.0	1592.1	344.0	1621.6	346.0	1636.2	348.0	1647.2
GR	350.0	1658.3	352.0	1675.0	354.0	1680.3	356.0	1684.4	358.0	1688.6
GR	360.0	1691.3	362.0	1694.5	362.0	1830.3	362.0	1835.5		
NC	0.085	0.06	0.03							
ET		0	8.1					870	1405	
X1	566	48.0	971.9	1257.5	280.0	280.0	280.0			
GR	364.0	125.7	362.0	130.3	360.0	226.0	358.0	539.3	356.0	545.7
GR	354.0	549.2	354.0	586.2	354.0	836.5	351.0	841.5	350.0	846.0
GR	348.0	852.7	346.0	861.9	344.0	870.9	342.0	873.4	340.0	878.6
GR	338.0	882.9	338.0	891.3	340.0	897.1	342.0	928.0	342.0	943.5
GR	340.0	966.5	338.0	971.9	336.0	987.3	334.0	1006.2	334.0	1248.3
GR	336.0	1249.2	338.0	1257.5	340.0	1312.0	342.0	1319.6	344.0	1359.0
GR	346.0	1374.5	348.0	1397.8	350.0	1410.4	352.0	1435.6	354.0	1452.7
GR	356.0	1461.4	358.0	1472.7	360.0	1475.8	362.0	1480.2	364.0	1482.6
GR	366.0	1485.5	368.0	1547.3	370.0	1556.3	372.0	1562.2	374.0	1573.8
GR	376.0	1582.1	378.0	1591.8	380.0	1597.3				
NC	0.085	0.06	0.03							
ET		0	8.1					1525	1960	
X1	570	51.0	1642.7	1843.3	285.0	280.0	280.0			
GR	370.0	581.4	368.0	587.2	366.0	591.4	364.0	596.0	362.0	671.4
GR	362.0	686.5	364.0	810.8	364.0	840.9	362.0	859.4	360.0	914.8
GR	358.0	1050.7	356.0	1054.8	354.0	1061.1	354.0	1070.1	356.0	1074.5
GR	358.0	1079.1	358.0	1092.1	356.0	1097.0	356.0	1108.1	358.0	1112.0
GR	358.0	1127.6	356.0	1130.5	356.0	1466.0	356.0	1513.1	354.0	1516.3
GR	351.0	1518.8	350.0	1522.2	348.0	1526.1	346.0	1531.5	344.0	1537.1
GR	342.0	1556.5	342.0	1580.3	342.0	1627.4	340.0	1635.2	338.0	1638.2
GR	336.0	1642.7	334.0	1647.9	334.0	1837.5	336.0	1843.3	338.0	1860.7
GR	340.0	1867.9	342.0	1914.8	344.0	1920.4	346.0	1948.3	348.0	1964.0
GR	350.0	1970.5	352.0	1974.8	354.0	1999.3	356.0	2006.6	358.0	2013.6
GR	360.0	2028.7								

NC	0.085	0.06	0.03							
.T		0	8.1					757	1150	
X1	572	32	832.0	1056.1	200.0	178.0	187.0			
GR	362.0	120.8	360.0	184.3	358.0	190.8	356.0	276.1	356.0	440.2
GR	356.0	738.5	354.0	746.9	351.0	749.1	350.0	755.1	348.0	759.7
GR	346.0	769.4	344.0	772.6	342.0	775.3	340.0	780.9	338.0	784.1
GR	336.0	832.0	334.0	838.1	334.0	1051.5	336.0	1056.1	338.0	1063.0
GR	340.0	1097.3	342.0	1102.0	344.0	1105.3	346.0	1109.4	348.0	1153.3
GR	350.0	1161.6	352.0	1183.2	354.0	1196.0	356.0	1212.6	358.0	1239.7
GR	360.0	1250.9	362.0	1260.0						

NC	0.085	0.06	0.03							
ET		0	8.1					705	1090.0	
X1	574	35.0	747.5	1043.6	210.0	190.0	200.0			
GR	362.0	129.2	362.0	138.5	362.0	163.3	360.0	186.2	358.0	190.0
GR	358.0	577.1	358.0	687.6	356.0	694.4	354.0	697.9	351.0	701.0
GR	350.0	704.4	348.0	710.2	346.0	713.6	344.0	716.8	342.0	721.3
GR	340.0	725.5	338.0	741.6	336.0	747.5	334.0	749.7	334.0	1039.4
GR	336.0	1043.6	338.0	1048.8	340.0	1081.1	342.0	1085.0	349.9	1097.5
GR	350.0	1106.8	350.0	1121.7	352.0	1128.8	354.0	1131.7	356.0	1148.3
GR	358.0	1163.7	360.0	1176.6	362.0	1185.2	364.0	1192.5	366.0	1192.6

NC	0.085	0.06	0.03							
ET		0	8.1					688	1060	
X1	576	30.0	733.4	959.3	190.0	165.0	170.0			
GR	362.0	169.2	360.0	207.0	358.0	657.3	356.0	661.5	354.0	667.9
GR	351.0	683.0	350.0	687.3	348.0	693.7	346.0	700.1	344.0	706.9
GR	342.0	713.0	340.0	714.2	338.0	733.4	336.0	737.2	334.0	739.6
GR	334.0	948.2	336.0	952.2	338.0	959.3	340.0	1048.8	342.0	1075.6
GR	349.9	1095.6	352.0	1099.3	354.0	1104.0	356.0	1108.2	356.0	1123.7
GR	356.0	1139.6	358.0	1143.4	360.0	1146.4	362.0	1153.0	364.0	1184.9

NC	0.085	0.06	0.03							
ET		0	8.1					615.0	1080	
X1	582	39.0	698.2	914.1	335.0	310.0	330.0			
GR	364.0	137.4	362.0	189.7	360.0	205.4	360.0	212.2	360.0	221.3
GR	358.0	568.5	356.0	572.6	354.0	576.1	351.0	579.3	350.0	581.9
GR	348.0	586.0	346.0	590.1	344.0	593.5	344.0	610.4	346.0	616.5
GR	346.0	623.7	344.0	627.6	344.0	643.0	344.0	680.1	342.0	683.7
GR	340.0	693.0	338.0	698.2	336.0	704.7	336.0	909.2	338.0	914.1
GR	340.0	919.5	342.0	1044.1	342.0	1107.0	342.0	1140.7	344.0	1144.9
GR	346.0	1148.3	348.0	1150.5	350.0	1152.8	352.0	1156.0	354.0	1159.9
GR	356.0	1163.4	358.0	1215.1	360.0	1219.2	370.0	1239.5		

NC	0.085	0.06	0.03							
ET		0	8.1					538.0	1085	
X1	584	33.0	632.7	857.9	210.0	190.0	200.0			
GR	364.0	135.1	364.0	145.5	364.0	174.9	362.0	191.2	360.0	196.8
GR	358.0	515.4	356.0	518.5	354.0	526.4	351.0	533.5	350.0	540.1
GR	348.0	551.7	346.0	557.5	344.0	561.9	342.0	573.5	340.0	581.2
GR	338.0	632.7	336.0	644.9	336.0	851.8	338.0	857.9	342.0	992.7
GR	344.0	1066.7	346.0	1072.5	348.0	1095.0	350.0	1098.7	352.0	1100.7
GR	354.0	1107.8	356.0	1111.0	358.0	1121.2	358.0	1163.7	358.0	1244.0

GR	360.0	1267.6	362.0	1299.1	364.0	1309.3				
NC	0.085	0.06	0.03							
ET		0	8.1					465.0	960	
X1	586	34.0	582.7	772.7	205.0	205.0	205.0			
GR	366.0	110.7	364.0	182.5	362.0	188.7	360.0	329.3	360.0	355.9
GR	360.0	383.3	360.0	412.5	360.0	444.5	350.0	465.8	348.0	470.9
GR	346.0	483.4	344.0	488.8	342.0	507.1	338.0	582.7	336.0	593.3
GR	336.0	767.0	338.0	772.7	340.0	929.5	342.0	1012.7	344.0	1019.4
GR	346.0	1023.4	348.0	1027.9	350.0	1031.1	360.0	1046.7	362.0	1051.5
GR	362.0	1124.7	360.0	1174.0	360.0	1212.8	360.0	1229.7	358.0	1236.1
GR	358.0	1312.4	360.0	1327.9	362.0	1354.8	364.0	1367.3		
NC	0.085	0.06	0.03							
ET		6.1	8.1			345.0	800.0	371.0	720	
X1	592	57.0	443.9	597.6	375.0	385.0	380.0			
GR	370.0	130.6	368.0	136.8	366.0	139.9	364.0	191.1	362.0	195.4
GR	360.0	202.2	360.0	222.8	362.0	241.9	364.0	302.7	364.0	344.8
GR	362.0	348.7	360.0	350.8	350.0	371.6	348.0	375.7	346.0	380.7
GR	344.0	395.9	342.0	402.9	340.0	408.7	338.0	443.9	336.0	467.1
GR	336.0	563.3	338.0	572.4	338.0	581.7	338.0	597.6	340.0	602.0
GR	340.0	671.2	340.0	724.3	342.0	747.9	344.0	751.6	346.0	756.9
GR	348.0	760.9	350.0	777.6	352.0	786.1	354.0	792.1	358.0	816.9
GR	360.0	823.8	362.0	905.7	364.0	928.2	364.0	966.1	364.0	1187.2
GR	366.0	1201.8	368.0	1207.7	368.0	1228.7	366.0	1234.6	364.0	1241.2
GR	362.0	1345.3	360.0	1375.6	358.0	1382.2	356.0	1387.4	356.0	1419.4
GR	358.0	1476.4	360.0	1493.0	362.0	1501.1	364.0	1504.4	366.0	1512.4
GR	368.0	1529.3	370.0	1578.1						
NC	0.075	0.065	0.125							
ET		0	8.1					595.0	830.0	
X1	594	80.0	630.7	779.9	230.0	230.0	230.0			
GR	368.0	189.5	366.0	194.5	366.0	207.4	368.0	213.8	370.0	220.5
GR	372.0	225.8	374.0	231.6	376.0	243.5	376.0	310.6	376.0	366.8
GR	376.0	391.0	374.0	415.0	372.0	422.3	370.0	427.1	368.0	428.7
GR	366.0	431.0	364.0	562.6	362.0	564.8	360.0	571.4	350.0	596.8
GR	348.0	609.4	346.0	613.4	344.0	617.0	342.0	630.7	340.0	637.0
GR	340.0	712.7	340.0	738.3	340.0	743.7	342.0	779.9	344.0	790.4
GR	346.0	800.8	348.0	808.4	350.0	822.9	360.0	901.4	358.0	908.6
GR	358.0	939.7	360.0	949.9	362.0	955.8	364.0	964.0	364.0	994.9
GR	362.0	1004.8	360.0	1014.2	358.0	1025.8	356.0	1057.6	356.0	1075.6
GR	358.0	1082.9	360.0	1086.9	362.0	1091.8	364.0	1098.9	366.0	1107.1
GR	368.0	1111.3	370.0	1116.3	370.0	1123.9	368.0	1148.6	366.0	1153.0
GR	364.0	1164.1	364.0	1432.2	364.0	1449.6	364.0	1466.1	366.0	1605.9
GR	368.0	1611.6	370.0	1615.0	370.0	1633.0	368.0	1637.6	366.0	1642.8
GR	364.0	1669.4	364.0	1683.8	364.0	1718.7	362.0	1724.1	360.0	1731.7
GR	358.0	1764.6	356.0	1819.5	356.0	1840.9	358.0	1880.0	360.0	1887.5
GR	362.0	1891.9	364.0	1899.2	366.0	1911.8	368.0	1973.0	370.0	1986.0

NC	0.075	0.065	0.125							
T		6.1	8.1			600.0	1050.0	660.0	995.0	
X1	600	76.0	778.9	979.1	145.0	155.0	150.0			
GR	376.0	107.5	374.0	132.1	372.0	135.5	368.0	303.5	368.0	319.6
GR	370.0	325.3	372.0	329.6	374.0	335.7	376.0	341.2	378.0	346.9
GR	380.0	352.9	380.0	443.7	380.0	471.0	380.0	520.9	378.0	541.4
GR	376.0	544.6	374.0	548.5	372.0	551.8	370.0	557.8	368.0	560.1
GR	366.0	563.7	364.0	640.1	362.0	649.0	360.0	652.5	358.0	658.2
GR	356.0	665.5	354.0	675.5	352.0	693.7	350.0	706.0	348.0	714.2
GR	348.0	720.6	348.0	757.2	346.0	778.9	344.0	788.4	342.0	801.2
GR	342.0	944.1	344.0	973.4	346.0	979.1	348.0	986.4	350.0	988.7
GR	360.0	1001.5	362.0	1006.2	364.0	1020.1	366.0	1144.4	368.0	1278.3
GR	370.0	1282.7	370.0	1293.0	368.0	1297.8	366.0	1301.3	364.0	1304.6
GR	364.0	1385.5	366.0	1396.2	366.0	1412.0	364.0	1420.3	364.0	1639.3
GR	364.0	1714.3	364.0	1832.9	366.0	1845.3	368.0	1849.6	370.0	1855.1
GR	370.0	1872.1	368.0	1877.6	366.0	1885.2	364.0	1934.5	362.0	1938.2
GR	360.0	1948.6	360.0	1966.8	360.0	2011.3	358.0	2020.0	358.0	2086.0
GR	360.0	2170.5	362.0	2176.6	364.0	2184.5	366.0	2191.1	368.0	2252.7
GR	370.0	2281.2								

NC	0.075	0.065	0.125							
ET		6.1	8.1			200.0	652.3	280	645.0	
X1	610	75	319.9	622.8	295.0	355.0	315.0			
GR	390.0	103.3	390.0	133.2	388.0	139.9	382.0	151.5	380.0	156.0
GR	370.0	177.5	368.0	180.4	366.0	189.1	364.0	252.7	362.0	256.4
GR	360.0	260.7	358.0	266.5	356.0	272.8	354.0	301.5	352.0	304.8
GR	350.0	308.1	348.0	313.6	346.0	319.9	344.0	381.3	342.0	409.0
GR	342.0	604.8	344.0	615.0	346.0	622.8	348.0	626.7	350.0	630.3
GR	360.0	645.0	362.0	648.2	364.0	652.3	364.0	727.8	362.0	732.5
GR	360.0	738.6	358.0	742.9	356.0	746.9	356.0	792.1	358.0	799.0
GR	360.0	804.5	362.0	810.2	364.0	815.3	366.0	823.4	368.0	890.1
GR	368.0	914.0	366.0	923.1	366.0	959.7	368.0	969.4	368.0	1056.9
GR	366.0	1071.8	364.0	1084.5	362.0	1096.9	360.0	1103.2	350.0	1127.8
GR	348.0	1147.5	346.0	1173.3	346.0	1268.3	348.0	1275.2	350.0	1281.2
GR	360.0	1298.3	362.0	1301.8	362.0	1341.2	360.0	1381.5	350.0	1415.1
GR	348.0	1422.9	346.0	1430.3	346.0	1494.6	348.0	1515.3	348.0	1717.0
GR	348.0	1760.2	350.0	1832.6	360.0	1856.7	364.0	1860.6	362.0	1866.9
GR	366.0	1891.5	368.0	2520.0	370.0	2620.0	372.0	2740.0	374.0	2780.0

NC	0.075	0.065	0.125							
ET		6.1	8.1			250.0	750.0	330	730.0	
X1	620	63	299.2	732.0	395.0	395.0	395.0			
GR	380.0	210.5	370.0	228.8	368.0	230.7	366.0	234.4	366.0	239.9
GR	366.0	246.0	364.0	299.2	362.0	302.7	360.0	309.4	358.0	335.2
GR	356.0	341.1	354.0	343.7	352.0	348.6	350.0	415.7	348.0	421.2
GR	346.0	429.7	344.0	515.8	344.0	685.5	346.0	691.3	348.0	701.4
GR	350.0	709.6	360.0	726.0	362.0	729.1	364.0	732.0	364.0	767.8
GR	362.0	771.4	360.0	775.6	350.0	819.3	348.0	824.3	346.0	827.8
GR	346.0	846.3	346.0	966.4	344.0	971.4	344.0	1009.4	346.0	1063.6
GR	348.0	1115.1	350.0	1124.6	360.0	1185.8	362.0	1195.8	364.0	1205.6
GR	366.0	1211.1	368.0	1236.4	370.0	1308.2	370.0	1503.3	368.0	1552.5
GR	366.0	1558.4	364.0	1562.0	362.0	1567.8	360.0	1584.3	360.0	1684.8
GR	362.0	1691.5	364.0	1713.1	366.0	1722.9	366.0	1770.0	366.0	1862.4

GR	368.0	1960.0	368.0	2490.0	370.0	2518.0	372.0	2536.0	374.0	2730.0
GR	376.0	2800.0	378.0	2840.0	380.0	2875.0				
NC	0.075	0.065	0.125							
ET		6.1	8.1			300.0	805.0	380	750.0	
X1	630	60	445.6	718.0	235.0	295.0	265.0			
GR	380.0	231.4	370.0	248.4	368.0	254.6	366.0	328.7	364.0	337.7
GR	362.0	344.0	360.0	347.8	358.0	353.4	358.0	362.4	358.0	382.2
GR	356.0	395.2	354.0	426.7	352.0	433.1	350.0	438.4	348.0	445.6
GR	346.0	466.8	344.0	561.4	344.0	632.7	346.0	679.5	348.0	718.0
GR	350.0	730.2	360.0	748.4	362.0	751.9	366.0	753.5	364.0	754.7
GR	368.0	804.6	368.0	835.1	366.0	840.2	364.0	844.7	362.0	850.5
GR	360.0	855.9	356.0	865.8	350.0	881.5	348.0	901.3	346.0	918.7
GR	344.0	927.5	344.0	986.7	346.0	996.7	348.0	1015.4	348.0	1070.6
GR	348.0	1129.5	350.0	1141.8	352.0	1146.3	354.0	1258.4	356.0	1275.1
GR	358.0	1514.9	360.0	1522.3	370.0	1544.4	372.0	1576.1	372.0	1650.2
GR	370.0	1676.7	368.0	1685.7	368.0	1855.0	370.0	1966.0	370.0	2470.0
GR	372.0	2510.0	374.0	2657.0	376.0	2695.0	378.0	2745.0	380.0	2785.0
NC	0.075	0.065	0.125							
ET		0	8.1					401	600.0	
	FIANL CROSS SECTION - APPROX. 200 FT. DOWNSTREAM OF RIVERFORD BRIDGE									
X1	640	27	433.9	577.6	345.0	355.0	350.0			
GR	376.0	30.0	374.0	40.0	372.0	50.0	370.0	65.0	368.0	177.8
GR	370.0	224.7	370.0	392.0	360.0	410.6	350.0	433.9	348.0	447.6
GR	346.0	450.9	346.0	550.9	348.0	564.9	350.0	577.6	360.0	601.2
GR	362.0	621.0	364.0	656.5	366.0	694.7	368.0	731.7	370.0	757.0
GR	372.0	802.2	372.0	1053.1	370.0	1410.8	370.0	1725.0	372.0	2340.0
GR	374.0	2370.0	376.0	2490.0						

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

*PROF 1

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS
0

CCHV= .100 CEHV= .300
*SECNO 100.000
3720 CRITICAL DEPTH ASSUMED
MISSION DAM - DOWNSTREAM LIMIT OF STUDY (SUB-CRITICAL FLOW ASSUMED)

100.00	10.55	280.55	280.55	280.54	284.91	4.35	.00	.00	280.00
38000.	7.	37992.	1.	2.	2269.	0.	0.	0.	280.00
.00	3.78	16.75	3.15	.080	.180	.080	.000	270.00	333.74
.231940	0.	0.	0.	0	4	0	.00	267.60	601.34

*SECNO 110.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

110.00	13.97	287.97	284.28	.00	289.86	1.89	4.71	.25	280.00
38000.	2883.	34434.	684.	195.	3225.	65.	3.	0.	280.00
.00	14.77	10.68	10.59	.080	.180	.080	.000	274.00	299.50
.059361	45.	45.	45.	3	8	0	.00	316.99	616.49

*SECNO 120.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

120.00	16.82	290.82	284.61	.00	292.02	1.20	2.09	.07	280.00
38000.	3809.	31137.	3054.	332.	3785.	291.	8.	1.	280.00
.00	11.49	8.23	10.49	.080	.180	.080	.000	274.00	298.56
.026405	55.	55.	55.	3	15	0	.00	352.03	650.59

*SECNO 130.000

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

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

130.00	21.99	297.99	287.48	.00	298.61	.62	6.53	.06	280.00
38000.	5619.	23528.	8854.	823.	4564.	1046.	73.	6.	280.00
.03	6.82	5.16	8.47	.080	.180	.080	.000	276.00	205.48
.007317	520.	520.	520.	5	19	0	.00	477.59	683.07

CCHV= .300 CEHV= .500
*SECNO 140.000

140.00	25.91	301.91	288.62	.00	302.44	.53	3.80	.03	284.00
38000.	3861.	28378.	5762.	617.	5399.	730.	157.	11.	284.00
.05	6.25	5.26	7.90	.080	.180	.080	.000	276.00	159.51
.006421	555.	555.	555.	3	11	0	.00	395.33	554.85

*SECNO 150.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 108.5 1170.0 TYPE= 1 TARGET= 1061.500

150.00	23.43	303.43	287.08	.00	303.62	.19	1.07	.10	290.00
38000.	871.	22247.	14883.	465.	10277.	3081.	292.	20.	290.00
.10	1.87	2.16	4.83	.080	.160	.035	.000	280.00	193.86
.000881	555.	580.	555.	3	14	0	.00	976.14	1170.00

1490 NH CARD USED
*SECNO 160.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

160.00	21.97	303.97	291.54	.00	304.05	.09	.41	.03	292.00
38000.	33312.	3779.	910.	13905.	1563.	775.	561.	41.	290.00
.19	2.40	2.42	1.17	.072	.080	.056	.000	282.00	371.95
.000350	900.	670.	670.	2	17	0	.00	1351.05	1792.62

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 170.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

170.00	22.08	304.08	293.21	.00	304.13	.05	.08	.00	292.00
38000.	27877.	1804.	8320.	14657.	1099.	4740.	698.	52.	290.00
.24	1.90	1.64	1.76	.060	.080	.056	.000	282.00	353.98
.000175	325.	320.	315.	2	8	0	.00	1634.62	1988.60

1490 NH CARD USED
*SECNO 180.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

180.00	18.13	304.13	292.31	.00	304.20	.07	.06	.00	292.00
38000.	32333.	3921.	1746.	14833.	3669.	1407.	947.	71.	290.00
.32	2.18	1.07	1.24	.038	.080	.040	.000	286.00	483.05
.000082	529.	550.	570.	2	14	0	.00	1478.97	1962.02

1490 NH CARD USED
*SECNO 190.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

190.00	18.17	304.17	289.76	.00	304.23	.05	.03	.00	296.00
38000.	35057.	2848.	95.	18040.	3881.	242.	1191.	88.	290.00
.39	1.94	.73	.39	.031	.080	.071	.000	286.00	448.27
.000037	505.	505.	505.	2	17	0	.00	1446.03	1894.30

1490 NH CARD USED
*SECNO 200.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

200.00	18.23	304.23	290.07	.00	304.29	.06	.06	.00	296.00
38000.	25806.	2296.	9898.	17708.	1831.	3496.	1567.	114.	294.00
.50	1.46	1.25	2.83	.120	.125	.042	.000	286.00	330.71
.000317	720.	740.	750.	1	17	0	.00	1650.98	1981.69

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 209.000

209.00	18.37	304.37	291.12	.00	304.43	.06	.14	.00	298.00
38000.	19215.	5155.	13630.	12593.	3653.	5025.	1777.	130.	294.00
.56	1.53	1.41	2.71	.124	.125	.040	.000	286.00	378.58
.000390	430.	390.	365.	2	14	0	.00	1918.02	2296.59

1490 NH CARD USED
*SECNO 210.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

210.00	18.27	304.27	298.71	.00	304.48	.22	.01	.05	298.00
38000.	6900.	8611.	22489.	4988.	3629.	4944.	1781.	131.	294.00
.56	1.38	2.37	4.55	.120	.125	.040	.000	286.00	379.86
.001114	10.	10.	10.	2	14	0	.00	1912.23	2292.09

1490 NH CARD USED
*SECNO 211.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

211.00	18.44	304.44	291.12	.00	304.51	.06	.01	.02	298.00
38000.	19150.	5139.	13711.	12656.	3671.	5086.	1785.	131.	294.00
.56	1.51	1.40	2.70	.124	.125	.040	.000	286.00	377.63
.000382	10.	10.	10.	2	14	0	.00	1922.28	2299.92

*SECNO 220.000

220.00	16.71	304.71	297.10	.00	304.84	.14	.32	.02	292.00
38000.	6258.	4678.	27064.	2064.	4967.	8473.	2125.	164.	292.00
.64	3.03	.94	3.19	.040	.200	.040	.000	288.00	453.27
.000414	830.	810.	770.	2	11	0	.00	1684.15	2137.42

*SECNO 230.000

3470 ENCROACHMENT STATIONS= 825.0 2050.0 TYPE= 1 TARGET= 1225.000

230.00	16.89	304.89	298.77	.00	305.11	.22	.24	.02	292.00
38000.	2673.	3499.	31828.	782.	3143.	8065.	2282.	181.	292.00
.68	3.42	1.11	3.95	.040	.200	.040	.000	288.00	825.00
.000578	465.	490.	505.	0	16	0	.00	1225.00	2050.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 239.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2370.0 3040.0 TYPE= 1 TARGET= 670.000

239.00	14.95	304.95	297.86	.00	305.82	.87	.52	.20	294.00
38000.	2262.	13044.	22695.	255.	4776.	2510.	2378.	190.	294.00
.70	8.85	2.73	9.04	.040	.200	.040	.000	290.00	2370.00
.003791	400.	420.	440.	2	12	0	.00	670.00	3040.00

*SECNO 240.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

240.00	16.98	306.98	297.17	.00	307.39	.41	1.52	.05	306.00
38000.	3.	37997.	0.	1.	7397.	0.	2418.	193.	310.00
.71	2.48	5.14	.00	.040	.200	.000	.000	290.00	2517.24
.013227	195.	230.	255.	2	11	0	.00	493.99	3011.23

CCHV= .300 CEHV= .500
*SECNO 242.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3370 NORMAL BRIDGE, NRD= 31 MIN ELTRD= 312.00 MAX ELLC= 311.50

MAST BLVD BRIDGE (NORMAL BRIDGE ROUTINE)

242.00	16.97	306.97	297.53	.00	307.45	.48	.02	.04	306.00
38000.	1.	37999.	0.	1.	6807.	0.	2420.	194.	310.00
.71	.87	5.58	.00	.030	.040	.000	.000	290.00	2517.27
.000939	10.	10.	10.	2	19	0	-583.05	493.85	3011.12

*SECNO 243.000

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

3370 NORMAL BRIDGE, NRD= 31 MIN ELTRD= 312.00 MAX ELLC= 311.50

243.00	17.03	307.03	297.53	.00	307.51	.48	.06	.00	313.00
38000.	0.	37980.	20.	0.	6827.	10.	2430.	194.	300.00
.71	.00	5.56	1.87	.000	.040	.030	.000	290.00	2517.13
.000920	65.	65.	65.	2	19	0	-585.79	494.44	3011.57

CCHV= .100 CEHV= .300
*SECNO 244.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

244.00	17.12	307.12	297.69	.00	307.54	.41	.02	.01	310.00
38000.	0.	38000.	0.	0.	7352.	0.	2432.	194.	310.00
.71	.00	5.17	.00	.000	.140	.000	.000	290.00	2559.70
.006866	10.	10.	10.	2	14	0	.00	510.84	3070.54

*SECNO 245.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 100.0 1515.0 TYPE= 1 TARGET= 1415.000

245.00	17.60	307.60	296.07	.00	307.90	.29	.35	.01	292.00
38000.	15027.	17368.	5605.	2495.	8076.	1368.	2470.	197.	292.00
.72	6.02	2.15	4.10	.040	.140	.055	.000	290.00	657.64
.000920	210.	165.	200.	2	18	0	.00	857.36	1515.00

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 250.000

250.00	18.39	308.39	299.02	.00	308.53	.14	.62	.01	294.00
38000.	5708.	5891.	26401.	1446.	3042.	8707.	2688.	215.	294.00
.79	3.95	1.94	3.03	.046	.140	.068	.000	290.00	2344.02
.000738	705.	740.	790.	2	11	0	.00	1193.16	3537.17

1490 NH CARD USED

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 260.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

260.00	15.50	309.50	305.03	.00	310.32	.82	1.59	.20	300.00
38000.	534.	9184.	28282.	220.	2197.	3513.	2912.	237.	300.00
.83	2.43	4.18	8.05	.140	.140	.055	.000	294.00	2326.63
.005118	1035.	1025.	1020.	2	14	0	.00	678.32	3004.95

1490 NH CARD USED
*SECNO 270.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

270.00	14.91	312.91	306.51	.00	313.42	.51	3.07	.03	300.00
37000.	3461.	6446.	27093.	1624.	2273.	4177.	3065.	256.	304.00
.88	2.13	2.84	6.49	.105	.140	.055	.000	298.00	2043.91
.002238	985.	965.	930.	2	11	0	.00	1073.31	3117.22

1490 NH CARD USED
*SECNO 280.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

280.00	14.65	314.65	307.87	.00	314.79	.14	1.34	.04	306.00
37000.	4252.	2248.	30499.	3375.	1330.	9439.	3329.	287.	306.00
.98	1.26	1.69	3.23	.131	.140	.063	.000	300.00	496.37
.000845	1045.	1040.	1030.	3	11	0	.00	1526.23	2022.59

*SECNO 285.000

285.00	13.19	315.19	309.22	.00	315.32	.14	.53	.00	306.00
37000.	2835.	1494.	32671.	1328.	1015.	10578.	3539.	312.	310.00
1.05	2.13	1.47	3.09	.060	.140	.055	.000	302.00	404.11
.000733	665.	670.	680.	2	9	0	.00	1709.02	2113.13

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

*SECNO 290.000

3265 DIVIDED FLOW

290.00	13.74	315.74	311.14	.00	315.91	.17	.57	.01	308.00
37000.	5645.	2056.	29299.	1532.	1176.	8933.	3721.	338.	310.00
1.10	3.69	1.75	3.28	.040	.140	.055	.000	302.00	2326.69
.001093	645.	645.	645.	2	18	0	.00	1774.24	4154.67

1490 NH CARD USED
*SECNO 300.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2340.0 4140.0 TYPE= 1 TARGET= 1800.000

300.00	10.68	316.68	313.31	.00	316.97	.29	1.03	.04	312.00
37000.	2018.	2638.	32344.	523.	1326.	7170.	3879.	364.	314.00
1.14	3.86	1.99	4.51	.040	.140	.055	.000	306.00	2340.00
.002331	655.	660.	670.	2	11	0	.00	1605.71	4014.77

*SECNO 310.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2460.0 4230.0 TYPE= 1 TARGET= 1770.000
CONFLUENCE WITH SYCAMORE CREEK

310.00	9.75	317.75	313.23	.00	317.94	.19	.96	.01	314.00
37000.	923.	958.	35119.	422.	781.	9900.	4018.	387.	316.00
1.19	2.19	1.23	3.55	.040	.140	.055	.000	308.00	2470.34
.001162	620.	610.	600.	2	11	0	.00	1743.70	4214.04

*SECNO 320.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 950.0 2300.0 TYPE= 1 TARGET= 1350.000
CONFLUENCE WITH FORRESTER CREEK

320.00	9.50	319.50	317.26	.00	320.03	.53	1.98	.10	316.00
37000.	415.	9872.	26713.	78.	2592.	4160.	4186.	415.	312.00
1.23	5.29	3.81	6.42	.040	.140	.055	.000	310.00	950.00
.007642	665.	750.	840.	2	14	0	.00	1322.48	2272.48

*SECNO 330.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 1280.0 2300.0 TYPE= 1 TARGET= 1020.000

330.00	10.64	322.64	317.81	.00	322.98	.33	2.93	.02	314.00
36000.	17452.	6632.	11916.	3552.	1654.	2640.	4315.	435.	314.00
1.28	4.91	4.01	4.51	.060	.085	.060	.000	312.00	1330.08
.002288	870.	780.	700.	2	14	0	.00	949.66	2279.74

*SECNO 340.000

3470 ENCROACHMENT STATIONS= 1200.0 2180.0 TYPE= 1 TARGET= 980.000

340.00	13.83	323.83	318.40	.00	324.12	.28	1.14	.01	320.00
36000.	5788.	16946.	13267.	1327.	4427.	2814.	4411.	446.	318.00
1.31	4.36	3.83	4.71	.060	.085	.060	.000	310.00	1221.71
.002171	520.	505.	505.	2	14	0	.00	958.29	2180.00

*SECNO 345.000

3470 ENCROACHMENT STATIONS= 1210.0 2270.0 TYPE= 1 TARGET= 1060.000

345.00	12.53	324.53	319.69	.00	324.88	.35	.74	.02	322.00
36000.	9001.	20016.	6984.	1783.	4522.	1374.	4463.	453.	324.00
1.33	5.05	4.43	5.08	.060	.085	.060	.000	312.00	1210.00
.003291	320.	280.	250.	2	11	0	.00	1060.00	2270.00

CCHV= .300 CEHV= .500
*SECNO 355.000

3470 ENCROACHMENT STATIONS= 1370.0 2370.0 TYPE= 1 TARGET= 1000.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
355.00	11.62	325.62	321.80	.00	326.04	.42	1.13	.04	322.00
36000.	7691.	24308.	4000.	1588.	4646.	703.	4511.	459.	322.00
1.34	4.84	5.23	5.69	.060	.085	.060	.000	314.00	1370.00
.004886	275.	285.	295.	2	14	0	.00	1000.00	2370.00

*SECNO 356.000

3470 ENCROACHMENT STATIONS= 1340.0 2290.0 TYPE= 1 TARGET= 950.000

356.00	11.08	327.08	323.83	.00	327.84	.76	1.63	.17	316.00
36000.	6303.	29018.	679.	1247.	3934.	100.	4546.	465.	320.00
1.35	5.06	7.38	6.80	.060	.085	.060	.000	316.00	1340.00
.009099	250.	250.	250.	2	15	0	.00	941.47	2281.47

SPECIAL BRIDGE

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	.90	1.60	2.75	.00	450.00	77.00	3112.00	2.00	318.00	318.00

*SECNO 358.000
BTCARD BRIDGE STENCL= 1340.00 STENCR= 2300.00
6870 D.S. ENERGY OF 327.84 IS HIGHER THAN COMPUTED ENERGY OF 327.20

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
327.20	327.19	.01	29103.	6868.	3112.	3112.	326.00	324.00	350.

3470 ENCROACHMENT STATIONS= 1340.0 2300.0 TYPE= 1 TARGET= 960.000
CARLTON HILLS BLVD BRIDGE (SPECIAL BRIDGE ROUTINE)

358.00	10.84	326.84	.00	.00	327.84	1.00	.00	.00	316.00
36000.	3033.	32965.	1.	1132.	3950.	1.	4554.	466.	326.00
1.35	2.68	8.34	1.41	.060	.040	.030	.000	316.00	1340.00
.002741	65.	65.	65.	2	0	7	.00	940.81	2280.81

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

*SECNO 360.000

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 1530.0 2600.0 TYPE= 1 TARGET= 1070.000

360.00	12.47	328.47	322.42	.00	328.74	.27	.68	.22	320.00
36000.	28115.	6467.	1418.	6310.	2011.	746.	4609.	474.	320.00
1.38	4.46	3.22	1.90	.060	.085	.085	.000	316.00	1530.00
.001518	335.	345.	355.	2	14	0	.00	1070.00	2600.00

CCHV= .100 CEHV= .300
*SECNO 370.000

3470 ENCROACHMENT STATIONS= 1470.0 2820.0 TYPE= 1 TARGET= 1350.000

370.00	11.02	329.02	323.34	.00	329.21	.19	.46	.01	320.00
36000.	26812.	2887.	6301.	7146.	995.	3009.	4689.	484.	320.00
1.41	3.75	2.90	2.09	.060	.085	.085	.000	318.00	1470.00
.001163	345.	345.	350.	2	18	0	.00	1338.57	2808.57

*SECNO 380.000

3470 ENCROACHMENT STATIONS= 1540.0 2960.0 TYPE= 1 TARGET= 1420.000

380.00	11.41	329.41	324.11	.00	329.60	.19	.39	.00	320.00
36000.	25574.	1931.	8496.	6734.	617.	3631.	4771.	494.	320.00
1.43	3.80	3.13	2.34	.060	.085	.085	.000	318.00	1540.00
.001306	320.	320.	320.	2	11	0	.00	1420.00	2960.00

*SECNO 390.000

3470 ENCROACHMENT STATIONS= 1680.0 2740.0 TYPE= 1 TARGET= 1060.000

390.00	12.20	330.20	325.75	.00	330.53	.32	.89	.04	324.00
36000.	24818.	5297.	5885.	4923.	1424.	2097.	4887.	509.	324.00
1.46	5.04	3.72	2.81	.060	.085	.085	.000	318.00	1680.00
.002317	520.	520.	520.	2	20	0	.00	1060.00	2740.00

*SECNO 400.000

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 1749.0 2605.0 TYPE= 1 TARGET= 856.000
DOWNSTREAM END OF MISSION CREEK DEVELOPMENT

400.00	13.24	331.24	322.75	.00	331.46	.22	.92	.01	320.00
36000.	3270.	30980.	1750.	780.	8522.	375.	5009.	522.	320.00
1.51	4.20	3.64	4.67	.040	.075	.040	.000	318.00	1749.00
.001098	705.	540.	495.	1	18	0	.00	856.00	2605.00

1490 NH CARD USED
*SECNO 410.000

3470 ENCROACHMENT STATIONS= 2970.0 3720.0 TYPE= 1 TARGET= 750.000

410.00	13.93	331.93	323.09	.00	332.20	.26	.72	.01	320.00
36000.	1728.	32629.	1642.	415.	7986.	375.	5157.	535.	320.00
1.56	4.16	4.09	4.38	.040	.065	.040	.000	318.00	2970.00
.000969	672.	700.	726.	2	18	0	.00	745.35	3715.35

1490 NH CARD USED
*SECNO 415.000

3470 ENCROACHMENT STATIONS= 3180.0 3945.0 TYPE= 1 TARGET= 765.000

415.00	14.64	332.64	323.10	.00	332.86	.21	.66	.00	320.00
36000.	1523.	32139.	2337.	381.	8756.	559.	5322.	548.	320.00
1.61	3.99	3.67	4.18	.040	.065	.040	.000	318.00	3180.00
.000744	765.	780.	800.	2	18	0	.00	765.00	3945.00

1490 NH CARD USED
*SECNO 420.000

3470 ENCROACHMENT STATIONS= 3380.0 4065.0 TYPE= 1 TARGET= 685.000

420.00	15.04	333.04	324.28	.00	333.36	.31	.47	.03	320.00
36000.	2398.	30351.	3252.	414.	7276.	552.	5421.	556.	320.00
1.64	5.79	4.17	5.89	.040	.075	.040	.000	318.00	3410.72
.001324	480.	480.	480.	1	18	0	.00	654.27	4065.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 421.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

421.00	9.18	333.18	330.37	.00	334.57	1.39	.89	.32	325.00
36000.	1644.	34227.	129.	181.	3610.	23.	5473.	561.	328.00
1.66	9.09	9.48	5.52	.040	.050	.040	.000	324.00	2616.05
.005408	375.	375.	375.	2	14	0	.00	441.57	3057.62

CCHV= .300 CEHV= .500
*SECNO 422.000

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 53 MIN ELTRD= 344.00 MAX ELLC= 342.00

CUYAMACA BRIDGE - UPSTREAM LIMIT OF MISSION CREEK DEVELOPMENT
(NORMAL BRIDGE ROUTINE)

422.00	8.75	332.75	331.29	.00	335.11	2.35	.06	.48	326.00
36000.	971.	34796.	233.	111.	2800.	45.	5474.	561.	326.00
1.66	8.74	12.43	5.16	.040	.030	.040	.000	324.00	2616.64
.006112	10.	10.	10.	2	15	0	-660.63	440.48	3057.11

*SECNO 423.000

3370 NORMAL BRIDGE, NRD= 53 MIN ELTRD= 344.00 MAX ELLC= 342.00

423.00	9.68	333.68	331.29	.00	335.58	1.91	.34	.13	326.00
36000.	1074.	34646.	280.	131.	3096.	57.	5478.	561.	326.00
1.66	8.19	11.19	4.90	.040	.030	.040	.000	324.00	4615.36
.004543	65.	65.	65.	3	15	0	-736.45	442.85	5058.21

1490 NH CARD USED
*SECNO 424.000

424.00	7.88	333.88	332.18	.00	335.68	1.79	.06	.03	326.00
36000.	721.	33946.	1333.	98.	3124.	149.	5479.	562.	326.00
1.66	7.38	10.87	8.96	.050	.050	.050	.000	326.00	4632.28
.008516	10.	10.	10.	2	14	0	.00	450.42	5082.69

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 425.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4365.0 5400.0 TYPE= 1 TARGET= 1035.000

425.00	10.57	336.57	332.11	.00	336.91	.34	.80	.43	328.00
36000.	12474.	12539.	10987.	2587.	3145.	2086.	5510.	566.	328.00
1.67	4.82	3.99	5.27	.045	.075	.045	.000	326.00	4370.03
.001823	285.	225.	215.	3	19	0	.00	1029.97	5400.00

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 430.000

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 4540.0 6000.0 TYPE= 1 TARGET= 1460.000

430.00	11.53	337.53	334.17	.00	338.20	.67	1.19	.10	328.00
36000.	6532.	12474.	16994.	1547.	2070.	2235.	5584.	578.	328.00
1.69	4.22	6.03	7.60	.045	.075	.045	.000	326.00	4540.00
.003683	495.	470.	465.	3	16	0	.00	1173.90	6000.00

1490 NH CARD USED
*SECNO 440.000

3470 ENCROACHMENT STATIONS= 4030.0 5540.0 TYPE= 1 TARGET= 1510.000

440.00	11.55	339.55	336.14	.00	340.06	.51	1.84	.02	330.00
34000.	19761.	10978.	3261.	3351.	1964.	673.	5658.	593.	330.00
1.72	5.90	5.59	4.84	.045	.075	.045	.000	328.00	4248.71
.003129	535.	545.	550.	2	19	0	.00	1256.15	5504.86

1490 NH CARD USED
*SECNO 450.000

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			4030.0	5500.0	TYPE=	1	TARGET=	1470.000	
450.00	12.18	340.18	333.28	.00	340.48	.30	.40	.02	330.00
34000.	4670.	29193.	137.	2884.	6236.	119.	5754.	609.	330.00
1.75	1.62	4.68	1.15	.055	.030	.055	.000	328.00	4214.91
.000320	575.	530.	545.	2	14	0	.00	1285.09	5500.00

1490 NH CARD USED
*SECNO 460.000

3470 ENCROACHMENT STATIONS=			4025.0	5600.0	TYPE=	1	TARGET=	1575.000	
460.00	12.40	340.40	332.27	.00	340.60	.20	.11	.01	330.00
34000.	1767.	32067.	166.	1765.	8660.	201.	5856.	623.	330.00
1.79	1.00	3.70	.82	.055	.030	.055	.000	328.00	4154.93
.000197	480.	440.	425.	2	22	0	.00	1395.66	5550.59

1490 NH CARD USED
*SECNO 470.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			3700.0	5250.0	TYPE=	1	TARGET=	1550.000	
470.00	12.49	340.49	336.44	.00	340.98	.49	.29	.09	330.00
34000.	24053.	9528.	419.	4280.	1699.	89.	5970.	644.	330.00
1.82	5.62	5.61	4.69	.045	.070	.045	.000	328.00	3713.88
.002598	790.	480.	430.	2	15	0	.00	1312.80	5163.76

1490 NH CARD USED
*SECNO 480.000

3301 HV CHANGED MORE THAN HVINS

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			2870.0	4200.0	TYPE=	1	TARGET=	1330.000	
480.00	10.18	340.18	339.28	.00	343.59	3.40	1.73	.87	340.00
34000.	0.	34000.	0.	0.	2297.	0.	5998.	649.	340.00
1.82	.05	14.80	.05	.045	.070	.045	.000	330.00	3872.13
.026096	305.	280.	280.	3	14	0	.00	253.48	4125.61

1490 NH CARD USED
*SECNO 483.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			2900.0	4240.0	TYPE=	1	TARGET=	1340.000	
483.00	13.81	343.81	339.97	.00	345.05	1.24	1.25	.22	340.00
34000.	4247.	28574.	1179.	1022.	2991.	229.	6005.	650.	340.00
1.83	4.16	9.55	5.14	.045	.070	.045	.000	330.00	2900.00
.007258	100.	100.	105.	4	5	0	.00	939.37	4211.31

*SECNO 484.000

3470 ENCROACHMENT STATIONS=			2920.0	4190.0	TYPE=	1	TARGET=	1270.000	
484.00	15.16	345.16	344.27	.00	345.96	.81	.87	.04	342.00
34000.	12070.	19868.	2062.	2153.	2440.	360.	6018.	653.	342.00
1.83	5.60	8.14	5.72	.045	.070	.045	.000	330.00	2920.00
.007792	110.	115.	160.	3	9	0	.00	1270.00	4190.00

*SECNO 485.000

3301 HV CHANGED MORE THAN HVINS

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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 2920.0 4180.0 TYPE= 1 TARGET= 1260.000
CHUBB LANE CROSSING

485.00	4.96	344.96	344.96	.00	346.38	1.42	.13	.18	342.00
34000.	18996.	11936.	3068.	1982.	1262.	312.	6019.	654.	342.00
1.83	9.59	9.46	9.82	.045	.070	.045	.000	340.00	2920.00
.024949	10.	10.	10.	0	14	0	.00	1260.00	4180.00

*SECNO 486.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2920.0 4180.0 TYPE= 1 TARGET= 1260.000

486.00	16.04	346.04	344.26	.00	346.56	.52	.09	.09	342.00
34000.	14543.	17215.	2242.	2921.	2673.	440.	6020.	654.	342.00
1.83	4.98	6.44	5.10	.045	.070	.045	.000	330.00	2920.00
.004313	10.	10.	10.	3	26	0	.00	1260.00	4180.00

1490 NH CARD USED
*SECNO 490.000

3470 ENCROACHMENT STATIONS= 3030.0 4120.0 TYPE= 1 TARGET= 1090.000

490.00	16.63	346.63	344.22	.00	347.12	.48	.56	.00	336.00
34000.	20712.	10502.	2786.	3818.	1643.	1009.	6045.	659.	336.00
1.84	5.43	6.39	2.76	.040	.070	.075	.000	330.00	3030.00
.002438	175.	175.	175.	3	13	0	.00	1090.00	4120.00

1490 NH CARD USED
*SECNO 500.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3280.0 4190.0 TYPE= 1 TARGET= 910.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
500.00	17.25	347.25	339.32	.00	347.54	.29	.40	.02	334.00
33000.	6847.	18676.	7478.	2322.	3956.	1736.	6129.	670.	334.00
1.87	2.95	4.72	4.31	.030	.040	.030	.000	330.00	3280.00
.000383	495.	510.	525.	2	11	0	.00	910.00	4190.00

1490 NH CARD USED
*SECNO 507.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

507.00	13.29	347.29	341.36	.00	347.95	.66	.30	.11	342.00
33000.	75.	32148.	777.	28.	4897.	209.	6200.	678.	342.00
1.89	2.72	6.57	3.71	.040	.040	.040	.000	334.00	3849.40
.001221	510.	470.	450.	2	14	0	.00	487.36	4336.76

CCHV= .300 CEHV= .500
*SECNO 508.000

3370 NORMAL BRIDGE, NRD= 49 MIN ELTRD= 352.00 MAX ELLC= 352.00

MAGNOLIA AVE BRIDGE (NORMAL BRIDGE ROUTINE)

508.00	13.15	347.15	342.28	.00	348.12	.97	.02	.16	342.00
33000.	98.	32125.	776.	26.	4019.	166.	6202.	678.	342.00
1.90	3.75	7.99	4.67	.040	.030	.040	.000	334.00	3849.86
.002389	10.	10.	10.	2	9	0	-851.92	486.38	4336.24

*SECNO 509.000

3370 NORMAL BRIDGE, NRD= 49 MIN ELTRD= 352.00 MAX ELLC= 352.00

509.00	13.35	347.35	342.34	.00	348.29	.94	.15	.01	336.00
33000.	1163.	31710.	127.	224.	4033.	36.	6208.	679.	342.00
1.90	5.20	7.86	3.55	.040	.030	.040	.000	334.00	3849.22
.002280	65.	65.	65.	2	12	0	-868.41	487.74	4336.95

1490 NH CARD USED
*SECNO 510.000

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			3864.0	4358.0	TYPE=	1	TARGET=	494.000	
510.00	15.80	347.80	341.38	.00	348.40	.60	.01	.10	342.00
33000.	186.	32469.	345.	63.	5192.	112.	6209.	679.	341.00
1.90	2.97	6.25	3.08	.040	.040	.040	.000	332.00	3865.12
.001039	10.	10.	10.	2	19	0	.00	490.72	4355.84

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 515.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			3640.0	4470.0	TYPE=	1	TARGET=	830.000	
515.00	16.42	348.42	337.03	.00	348.53	.11	.08	.05	334.00
33000.	8887.	23512.	601.	3715.	8391.	270.	6264.	683.	334.00
1.93	2.39	2.80	2.23	.040	.040	.040	.000	332.00	3640.00
.000137	250.	275.	350.	2	17	0	.00	830.00	4470.00

1490 NH CARD USED
*SECNO 520.000

3470 ENCROACHMENT STATIONS=			4240.0	5000.0	TYPE=	1	TARGET=	760.000	
520.00	16.44	348.44	337.78	.00	348.64	.20	.08	.03	334.00
33000.	2493.	29358.	1149.	1025.	7941.	612.	6403.	693.	334.00
1.97	2.43	3.70	1.88	.040	.031	.040	.000	332.00	4240.00
.000152	515.	560.	590.	2	22	0	.00	697.36	4937.36

1490 NH CARD USED
*SECNO 530.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			4050.0	4691.0	TYPE=	1	TARGET=	641.000	
530.00	14.41	348.41	340.61	.00	348.85	.43	.14	.07	334.00
33000.	1398.	26601.	5001.	481.	4701.	1466.	6519.	702.	334.00
2.00	2.90	5.66	3.41	.040	.030	.040	.000	334.00	4094.10
.000372	640.	620.	610.	2	18	0	.00	569.22	4663.32

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 535.000

3470 ENCROACHMENT STATIONS=			2070.0	2600.0	TYPE=	1	TARGET=	530.000	
535.00	14.39	348.39	341.37	.00	349.04	.65	.13	.06	336.00
33000.	476.	28411.	4113.	154.	4179.	1084.	6558.	705.	336.00
2.01	3.10	6.80	3.79	.040	.031	.040	.000	334.00	2089.54
.000560	290.	280.	275.	2	8	0	.00	471.51	2561.04

1490 NH CARD USED
*SECNO 540.000

540.00	14.69	348.69	340.63	.00	349.22	.53	.17	.01	336.00
33000.	1372.	30075.	1553.	401.	4969.	497.	6603.	709.	336.00
2.03	3.42	6.05	3.12	.040	.030	.040	.000	334.00	2007.70
.000431	365.	350.	335.	2	14	0	.00	461.29	2468.99

1490 NH CARD USED
*SECNO 550.000

550.00	14.98	348.98	341.72	.00	349.52	.54	.30	.00	336.00
33000.	4054.	25199.	3747.	1111.	3873.	1259.	6693.	717.	336.00
2.06	3.65	6.51	2.98	.040	.030	.040	.000	334.00	1754.92
.000486	645.	650.	655.	2	11	0	.00	600.30	2355.22

1490 NH CARD USED
*SECNO 560.000

560.00	15.45	349.45	341.20	.00	349.77	.33	.23	.02	336.00
33000.	1971.	21018.	10012.	766.	3997.	3155.	6790.	725.	336.00
2.10	2.57	5.26	3.17	.050	.031	.040	.000	334.00	1559.51
.000315	605.	600.	595.	2	11	0	.00	660.25	2219.76

1490 NH CARD USED
*SECNO 562.000

562.00	15.60	349.60	341.04	.00	349.86	.27	.08	.01	336.00
33000.	2589.	15895.	14516.	1070.	3168.	4504.	6844.	730.	336.00
2.12	2.42	5.02	3.22	.050	.031	.040	.000	334.00	1070.07
.000282	280.	280.	285.	2	14	0	.00	730.39	1800.46

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 564.000

564.00	15.70	349.70	340.80	.00	349.93	.23	.06	.00	336.00
33000.	3756.	19118.	10126.	1525.	4326.	3329.	6890.	734.	336.00
2.14	2.46	4.42	3.04	.050	.034	.040	.000	334.00	905.83
.000268	220.	220.	220.	2	18	0	.00	750.79	1656.62

*SECNO 566.000

566.00	15.52	349.52	341.86	.00	350.15	.63	.10	.12	338.00
33000.	1543.	29142.	2316.	964.	4342.	1031.	6940.	738.	338.00
2.15	1.60	6.71	2.25	.085	.030	.060	.000	334.00	847.60
.000491	280.	280.	280.	2	8	0	.00	559.78	1407.38

*SECNO 570.000

3301 HV CHANGED MORE THAN HVINS

570.00	15.31	349.31	343.61	.00	350.50	1.19	.19	.17	336.00
33000.	1677.	28599.	2724.	830.	3061.	873.	6975.	741.	336.00
2.16	2.02	9.34	3.12	.085	.030	.060	.000	334.00	1523.54
.000945	285.	280.	280.	2	11	0	.00	444.72	1968.26

*SECNO 572.000

572.00	15.70	349.70	342.60	.00	350.68	.98	.15	.02	336.00
33000.	1799.	29349.	1852.	754.	3508.	661.	6996.	743.	336.00
2.16	2.39	8.37	2.80	.085	.030	.060	.000	334.00	755.79
.000732	200.	187.	178.	2	11	0	.00	404.56	1160.35

*SECNO 574.000

574.00	16.20	350.20	341.31	.00	350.82	.62	.11	.04	336.00
33000.	599.	31154.	1247.	364.	4790.	525.	7021.	745.	336.00
2.17	1.65	6.50	2.38	.085	.030	.060	.000	334.00	703.72
.000424	210.	200.	190.	2	14	0	.00	418.68	1122.40

*SECNO 576.000

576.00	16.13	350.13	342.88	.00	350.98	.85	.09	.07	338.00
33000.	618.	28473.	3909.	330.	3604.	1324.	7042.	746.	338.00
2.18	1.87	7.90	2.95	.085	.030	.060	.000	334.00	686.76
.000641	190.	170.	165.	2	11	0	.00	409.24	1096.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 582.000									
582.00	14.38	350.38	345.01	.00	351.21	.84	.23	.00	338.00
33000.	1286.	25423.	6291.	739.	3092.	2099.	7084.	750.	338.00
2.19	1.74	8.22	3.00	.085	.030	.060	.000	336.00	580.92
.000795	335.	330.	310.	2	11	0	.00	572.48	1153.40
*SECNO 584.000									
584.00	14.65	350.65	344.44	.00	351.37	.72	.15	.01	338.00
33000.	1772.	25150.	6078.	829.	3280.	2122.	7111.	753.	338.00
2.20	2.14	7.67	2.86	.085	.030	.060	.000	336.00	535.83
.000675	210.	200.	190.	2	11	0	.00	563.52	1099.35
*SECNO 586.000									
586.00	14.84	350.84	344.57	.00	351.51	.68	.14	.00	338.00
33000.	2203.	21879.	8918.	1053.	2803.	2775.	7141.	755.	338.00
2.21	2.09	7.81	3.21	.085	.030	.060	.000	336.00	464.01
.000689	205.	205.	205.	2	11	0	.00	568.40	1032.41

*SECNO 592.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 345.0 800.0 TYPE= 1 TARGET= 455.000

592.00	14.70	350.70	346.18	.00	352.10	1.40	.36	.22	338.00
33000.	1907.	23721.	7372.	634.	2176.	1692.	7190.	760.	338.00
2.22	3.00	10.90	4.36	.085	.030	.060	.000	336.00	370.15
.001417	375.	380.	385.	2	19	0	.00	410.42	780.57

*SECNO 594.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

594.00	11.08	351.08	351.08	.00	355.39	4.30	1.01	.87	342.00
33000.	3208.	25565.	4227.	177.	1611.	214.	7207.	761.	342.00
2.23	18.16	15.87	19.75	.075	.125	.065	.000	340.00	594.05
.074887	230.	230.	230.	0	15	0	.00	237.35	831.40

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

*SECNO 600.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			600.0	1050.0	TYPE=	1	TARGET=	450.000	
600.00	16.03	358.03	351.56	.00	358.99	.96	3.27	.33	346.00
33000.	8333.	23387.	1280.	960.	3121.	142.	7218.	762.	346.00
2.23	8.68	7.49	8.98	.075	.125	.065	.000	342.00	658.13
.010256	145.	150.	155.	4	15	0	.00	340.85	998.97

*SECNO 610.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			200.0	652.3	TYPE=	1	TARGET=	452.300	
610.00	18.64	360.64	349.98	.00	361.11	.47	2.07	.05	346.00
33000.	2136.	29761.	1102.	402.	5400.	178.	7255.	765.	346.00
2.25	5.32	5.51	6.18	.075	.125	.065	.000	342.00	259.33
.004626	295.	315.	355.	4	8	0	.00	386.69	646.02

*SECNO 620.000

3470 ENCROACHMENT STATIONS=			250.0	750.0	TYPE=	1	TARGET=	500.000	
620.00	18.65	362.65	352.26	.00	363.07	.42	1.95	.01	364.00
33000.	0.	33000.	0.	0.	6383.	0.	7311.	769.	364.00
2.27	.00	5.17	.00	.000	.125	.000	.000	344.00	301.57
.005271	395.	395.	395.	2	14	0	.00	428.48	730.04

*SECNO 630.000

3470 ENCROACHMENT STATIONS=			300.0	805.0	TYPE=	1	TARGET=	505.000	
630.00	19.81	363.81	352.78	.00	364.26	.44	1.18	.01	348.00
33000.	4241.	26311.	2448.	820.	5077.	352.	7349.	771.	348.00
2.28	5.17	5.18	6.96	.075	.125	.065	.000	344.00	338.28
.003849	235.	265.	295.	2	14	0	.00	414.34	752.63

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 640.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

FIANL CROSS SECTION - APPROX. 200 FT. DOWNSTREAM OF RIVERFORD BRIDGE

640.00	19.40	365.40	358.29	.00	366.87	1.47	2.30	.31	350.00
33000.	2646.	26313.	4041.	270.	2692.	437.	7388.	774.	350.00
2.29	9.82	9.77	9.25	.075	.125	.065	.000	346.00	400.55
.013711	345.	350.	355.	1	14	0	.00	282.79	683.34

T1 SAN DIEGO RIVER
T2 CITY OF SANTEE
T3 100 YEAR FLOODWAY (FEMA)

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		3							281.55	

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15	0	-1				-1			0

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

*PROF 2

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS
0

CCHV= .100 CEHV= .300
*SECNO 100.000

3470 ENCROACHMENT STATIONS= 340.0 600.0 TYPE= 1 TARGET= 260.000
MISSION DAM - DOWNSTREAM LIMIT OF STUDY (SUB-CRITICAL FLOW ASSUMED)

100.00	11.55	281.55	280.50	280.55	285.06	3.51	.00	.00	280.00
38000.	6.	37994.	0.	1.	2527.	0.	0.	0.	100000.00
.00	4.91	15.04	.00	.080	.180	.000	.000	270.00	340.00
.162873	0.	0.	0.	0	10	0	.00	260.00	600.00

*SECNO 110.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 310.0 610.0 TYPE= 1 TARGET= 300.000

110.00	13.62	287.62	284.26	287.97	289.66	2.04	4.46	.15	280.00
38000.	2681.	34736.	584.	172.	3133.	51.	3.	0.	280.00
.00	15.61	11.09	11.50	.080	.180	.080	.000	274.00	310.00
.066547	45.	45.	45.	3	11	0	.00	300.00	610.00

*SECNO 120.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 310.0 650.0 TYPE= 1 TARGET= 340.000

120.00	16.74	290.74	284.60	290.82	291.97	1.23	2.22	.08	280.00
38000.	3738.	31236.	3027.	316.	3764.	287.	8.	1.	280.00
.00	11.82	8.30	10.55	.080	.180	.080	.000	274.00	310.00
.027064	55.	55.	55.	3	15	0	.00	340.00	650.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 130.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 330.0 683.0 TYPE= 1 TARGET= 353.000

130.00	22.39	298.39	287.48	297.99	299.10	.71	7.09	.05	280.00
38000.	2399.	25722.	9879.	309.	4656.	1085.	70.	5.	280.00
.02	7.78	5.53	9.10	.080	.180	.080	.000	276.00	330.00
.008184	520.	520.	520.	5	19	0	.00	353.00	683.00

CCHV= .300 CEHV= .500
*SECNO 140.000

3470 ENCROACHMENT STATIONS= 215.0 545.0 TYPE= 1 TARGET= 330.000

140.00	26.54	302.54	288.60	301.91	303.10	.55	3.94	.05	284.00
38000.	2665.	29260.	6075.	352.	5550.	757.	151.	9.	284.00
.05	7.58	5.27	8.02	.080	.180	.080	.000	276.00	215.00
.006227	555.	555.	555.	3	11	0	.00	330.00	545.00

*SECNO 150.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 245.0 1200.0 TYPE= 1 TARGET= 955.000

150.00	23.99	303.99	287.08	303.43	304.17	.18	.96	.11	290.00
38000.	476.	21624.	15900.	241.	10537.	3418.	289.	18.	290.00
.10	1.97	2.05	4.65	.080	.160	.035	.000	280.00	245.00
.000766	555.	580.	555.	3	14	0	.00	955.00	1200.00

1490 NH CARD USED
*SECNO 160.000

3265 DIVIDED FLOW

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 415.0 1860.0 TYPE= 1 TARGET= 1445.000

160.00	22.48	304.48	291.56	303.97	304.56	.08	.37	.03	292.00
38000.	33043.	3788.	1169.	14133.	1605.	936.	564.	38.	290.00
.19	2.34	2.36	1.25	.073	.080	.053	.000	282.00	415.00
.000322	900.	670.	670.	2	17	0	.00	1313.47	1794.30

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 170.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 410.0 1990.0 TYPE= 1 TARGET= 1580.000

170.00	22.59	304.59	293.18	304.08	304.64	.05	.07	.00	292.00
38000.	27691.	1778.	8531.	15086.	1129.	4974.	704.	48.	290.00
.24	1.84	1.57	1.72	.060	.080	.055	.000	282.00	410.00
.000155	325.	320.	315.	2	9	0	.00	1580.00	1990.00

1490 NH CARD USED
*SECNO 180.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 485.0 1940.0 TYPE= 1 TARGET= 1455.000

180.00	18.63	304.63	292.36	304.13	304.69	.06	.06	.00	292.00
38000.	32330.	3919.	1751.	15354.	3783.	1400.	962.	67.	290.00
.32	2.11	1.04	1.25	.038	.080	.040	.000	286.00	485.00
.000074	529.	550.	570.	2	18	0	.00	1455.00	1940.00

1490 NH CARD USED
*SECNO 190.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 470.0 1920.0 TYPE= 1 TARGET= 1450.000

190.00	18.67	304.67	289.74	304.17	304.72	.05	.02	.00	296.00
38000.	35034.	2855.	112.	18531.	3996.	286.	1213.	84.	290.00
.40	1.89	.71	.39	.031	.080	.067	.000	286.00	470.00
.000034	505.	505.	505.	2	21	0	.00	1433.19	1903.19

1490 NH CARD USED
*SECNO 200.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 370.0 1975.0 TYPE= 1 TARGET= 1605.000

200.00	18.72	304.72	290.08	304.23	304.77	.05	.05	.00	296.00
38000.	25541.	2288.	10171.	18173.	1891.	3697.	1601.	109.	294.00
.51	1.41	1.21	2.75	.120	.125	.042	.000	286.00	370.00
.000282	720.	740.	750.	1	17	0	.00	1605.00	1975.00

1490 NH CARD USED
*SECNO 209.000

3470 ENCROACHMENT STATIONS= 400.0 2100.0 TYPE= 1 TARGET= 1700.000

209.00	18.84	304.84	291.11	304.37	304.91	.06	.13	.00	298.00
38000.	19154.	5151.	13695.	12974.	3769.	4889.	1816.	124.	294.00
.57	1.48	1.37	2.80	.124	.125	.040	.000	286.00	400.00
.000351	430.	390.	365.	2	14	0	.00	1700.00	2100.00

1490 NH CARD USED
*SECNO 210.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 400.0 2100.0 TYPE= 1 TARGET= 1700.000

210.00	18.74	304.74	298.71	304.27	304.96	.22	.01	.05	298.00
38000.	7309.	8448.	22243.	5371.	3745.	4826.	1820.	125.	294.00
.57	1.36	2.26	4.61	.119	.125	.040	.000	286.00	400.00
.000966	10.	10.	10.	2	14	0	.00	1700.00	2100.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 211.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 400.0 2100.0 TYPE= 1 TARGET= 1700.000

211.00	18.91	304.91	291.11	304.44	304.98	.06	.01	.02	298.00
38000.	19103.	5138.	13758.	13034.	3787.	4933.	1824.	125.	294.00
.57	1.47	1.36	2.79	.124	.125	.040	.000	286.00	400.00
.000344	10.	10.	10.	2	14	0	.00	1700.00	2100.00

*SECNO 220.000

3470 ENCROACHMENT STATIONS= 515.0 2100.0 TYPE= 1 TARGET= 1585.000

220.00	17.15	305.15	297.16	304.71	305.28	.13	.28	.02	292.00
38000.	6056.	4575.	27369.	2011.	5108.	8877.	2172.	155.	292.00
.65	3.01	.90	3.08	.040	.200	.040	.000	288.00	515.00
.000361	830.	810.	770.	2	13	0	.00	1585.00	2100.00

*SECNO 230.000

3470 ENCROACHMENT STATIONS= 825.0 2000.0 TYPE= 1 TARGET= 1175.000

230.00	17.30	305.30	298.74	304.89	305.52	.21	.22	.03	292.00
38000.	2809.	3511.	31680.	830.	3226.	8073.	2332.	171.	292.00
.69	3.38	1.09	3.92	.040	.200	.040	.000	288.00	825.00
.000533	465.	490.	505.	1	15	0	.00	1175.00	2000.00

*SECNO 239.000

3301 HV CHANGED MORE THAN HVINS — —

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2370.0 3040.0 TYPE= 1 TARGET= 670.000

239.00	15.35	305.35	297.87	304.95	306.17	.82	.47	.18	294.00
38000.	2259.	12748.	22992.	267.	4906.	2636.	2431.	180.	294.00
.71	8.47	2.60	8.72	.040	.200	.040	.000	290.00	2370.00
.003310	400.	420.	440.	2	15	0	.00	670.00	3040.00

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

*SECNO 240.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2517.0 3011.0 TYPE= 1 TARGET= 494.000

240.00	17.18	307.18	297.14	306.98	307.58	.40	1.37	.04	306.00
38000.	4.	37996.	0.	1.	7498.	0.	2472.	183.	100000.00
.72	2.83	5.07	.00	.040	.200	.000	.000	290.00	2517.00
.012643	195.	230.	255.	2	14	0	.00	494.00	3011.00

CCHV= .300 CEHV= .500

*SECNO 242.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3370 NORMAL BRIDGE, NRD= 31 MIN ELTRD= 312.00 MAX ELLC= 311.50

3470 ENCROACHMENT STATIONS= 2518.0 3010.0 TYPE= 1 TARGET= 492.000

MAST BLVD BRIDGE (NORMAL BRIDGE ROUTINE)

242.00	17.17	307.17	297.53	306.97	307.64	.47	.02	.04	306.00
38000.	1.	37999.	0.	1.	6898.	0.	2473.	183.	100000.00
.72	1.01	5.51	.00	.030	.040	.000	.000	290.00	2518.00
.000902	10.	10.	10.	2	19	0	-591.13	492.00	3010.00

*SECNO 243.000

3370 NORMAL BRIDGE, NRD= 31 MIN ELTRD= 312.00 MAX ELLC= 311.50

3470 ENCROACHMENT STATIONS= 2518.0 3010.0 TYPE= 1 TARGET= 492.000

243.00	17.23	307.23	297.53	307.03	307.70	.47	.06	.00100000.00	
38000.	0.	37980.	20.	0.	6916.	11.	2484.	184.	300.00
.73	.00	5.49	1.86	.000	.040	.030	.000	290.00	2518.00
.000884	65.	65.	65.	2	19	0	-593.68	492.00	3010.00

CCHV= .100 CEHV= .300

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 244.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			2560.0	3070.0	TYPE=	1	TARGET=	510.000	
244.00	17.32	307.32	297.70	307.12	307.72	.40	.02	.01	100000.00
38000.	0.	38000.	0.	0.	7452.	0.	2485.	184.	100000.00
.73	.00	5.10	.00	.000	.140	.000	.000	290.00	2560.00
.006560	10.	10.	10.	2	14	0	.00	510.00	3070.00

*SECNO 245.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS=			760.0	1410.0	TYPE=	1	TARGET=	650.000	
245.00	17.71	307.71	295.91	307.60	308.15	.44	.42	.01	292.00
38000.	16802.	20195.	1003.	2262.	8127.	199.	2521.	187.	292.00
.74	7.43	2.48	5.03	.040	.140	.055	.000	290.00	760.00
.001219	210.	165.	200.	2	17	0	.00	650.00	1410.00

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 250.000

3470 ENCROACHMENT STATIONS=			2400.0	3310.0	TYPE=	1	TARGET=	910.000	
250.00	18.80	308.80	299.21	308.39	309.00	.20	.82	.02	294.00
38000.	7099.	7154.	23747.	1464.	3115.	6935.	2711.	200.	294.00
.80	4.85	2.30	3.42	.046	.140	.073	.000	290.00	2400.00
.001006	705.	740.	790.	2	11	0	.00	910.00	3310.00

1490 NH CARD USED
*SECNO 260.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 2340.0 2950.0 TYPE= 1 TARGET= 610.000

260.00	16.26	310.26	305.04	309.50	311.00	.74	1.83	.16	300.00
38000.	551.	8980.	28469.	230.	2325.	3717.	2920.	218.	300.00
.84	2.39	3.86	7.66	.140	.140	.055	.000	294.00	2340.00
.004051	1035.	1025.	1020.	2	14	0	.00	610.00	2950.00

1490 NH CARD USED
*SECNO 270.000

3470 ENCROACHMENT STATIONS= 2270.0 2990.0 TYPE= 1 TARGET= 720.000

270.00	15.23	313.23	306.48	312.91	313.82	.58	2.81	.02	300.00
37000.	3106.	6763.	27131.	1348.	2328.	3894.	3071.	232.	304.00
.88	2.30	2.90	6.97	.114	.140	.055	.000	298.00	2270.00
.002275	985.	965.	930.	2	11	0	.00	720.00	2990.00

1490 NH CARD USED
*SECNO 280.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 560.0 1890.0 TYPE= 1 TARGET= 1330.000

280.00	15.11	315.11	307.94	314.65	315.27	.16	1.41	.04	306.00
37000.	4165.	2470.	30365.	3249.	1377.	8858.	3321.	257.	306.00
.98	1.28	1.79	3.43	.140	.140	.064	.000	300.00	560.00
.000908	1045.	1040.	1030.	3	11	0	.00	1330.00	1890.00

*SECNO 285.000

3470 ENCROACHMENT STATIONS= 525.0 2015.0 TYPE= 1 TARGET= 1490.000

285.00	13.65	315.65	309.21	315.19	315.78	.13	.51	.00	306.00
37000.	2707.	1482.	32811.	1181.	1055.	10940.	3528.	279.	310.00
1.04	2.29	1.41	3.00	.060	.140	.055	.000	302.00	525.00
.000634	665.	670.	680.	2	13	0	.00	1490.00	2015.00

*SECNO 290.000

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

3265 DIVIDED FLOW

3470 ENCROACHMENT STATIONS= 2560.0 4154.0 TYPE= 1 TARGET= 1594.000

290.00	14.14	316.14	311.17	315.74	316.32	.18	.52	.01	308.00
37000.	3023.	2154.	31823.	693.	1219.	9486.	3710.	301.	310.00
1.10	4.36	1.77	3.35	.040	.140	.055	.000	302.00	2560.00
.001065	645.	645.	645.	0	18	0	.00	1544.09	4154.00

1490 NH CARD USED
*SECNO 300.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2540.0 4014.0 TYPE= 1 TARGET= 1474.000

300.00	11.04	317.04	313.27	316.68	317.34	.30	.99	.04	100000.00
37000.	0.	2678.	34322.	0.	1370.	7624.	3866.	324.	314.00
1.14	.00	1.96	4.50	.000	.140	.055	.000	306.00	2540.00
.002180	655.	660.	670.	2	11	0	.00	1410.53	4014.00

*SECNO 310.000

3470 ENCROACHMENT STATIONS= 2650.0 4000.0 TYPE= 1 TARGET= 1350.000
CONFLUENCE WITH SYCAMORE CREEK

310.00	10.17	318.17	313.73	317.75	318.42	.25	1.07	.01	314.00
37000.	602.	1203.	35195.	182.	832.	8703.	3995.	343.	316.00
1.18	3.31	1.45	4.04	.040	.140	.055	.000	308.00	2650.00
.001481	620.	610.	600.	2	11	0	.00	1350.00	4000.00

*SECNO 320.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 1030.0 2150.0 TYPE= 1 TARGET= 1120.000

CONFLUENCE WITH FORRESTER CREEK

320.00	10.17	320.17	317.30	319.50	320.70	.53	2.20	.08100000.00	
37000.	0.	9169.	27831.	0.	2537.	4365.	4152.	366.	312.00
1.22	.00	3.61	6.38	.000	.140	.055	.000	310.00	1030.00
.006100	665.	750.	840.	2	14	0	.00	1120.00	2150.00

*SECNO 330.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 1370.0 2250.0 TYPE= 1 TARGET= 880.000

330.00	10.98	322.98	317.85	322.64	323.31	.33	2.60	.02	314.00
36000.	17175.	6804.	12021.	3489.	1707.	2638.	4281.	383.	314.00
1.27	4.92	3.99	4.56	.060	.085	.060	.000	312.00	1370.00
.002168	870.	780.	700.	2	11	0	.00	880.00	2250.00

*SECNO 340.000

3470 ENCROACHMENT STATIONS= 1220.0 2180.0 TYPE= 1 TARGET= 960.000

340.00	14.11	324.11	318.40	323.83	324.37	.27	1.05	.01	320.00
36000.	5853.	16846.	13302.	1379.	4546.	2907.	4378.	394.	318.00
1.30	4.24	3.71	4.58	.060	.085	.060	.000	310.00	1220.00
.001964	520.	505.	505.	2	14	0	.00	960.00	2180.00

*SECNO 345.000

3470 ENCROACHMENT STATIONS= 1300.0 2270.0 TYPE= 1 TARGET= 970.000

345.00	12.73	324.73	319.68	324.53	325.09	.36	.69	.03	322.00
36000.	8257.	20490.	7253.	1520.	4620.	1429.	4431.	400.	324.00
1.32	5.43	4.44	5.08	.060	.085	.060	.000	312.00	1300.00
.003213	320.	280.	250.	2	11	0	.00	970.00	2270.00

CCHV= .300 CEHV= .500

*SECNO 355.000

3470 ENCROACHMENT STATIONS= 1500.0 2370.0 TYPE= 1 TARGET= 870.000

355.00	11.80	325.80	321.80	325.62	326.25	.45	1.11	.04	322.00
36000.	6680.	25135.	4786.	1253.	4740.	724.	4477.	406.	322.00
1.33	5.33	5.30	5.78	.060	.085	.060	.000	314.00	1500.00
.004886	275.	285.	295.	2	14	0	.00	870.00	2370.00

*SECNO 356.000

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

3470 ENCROACHMENT STATIONS= 1520.0 2290.0 TYPE= 1 TARGET= 770.000

356.00	11.26	327.26	323.73	327.08	328.14	.88	1.68	.22	316.00
36000.	4130.	31122.	749.	755.	4013.	104.	4511.	411.	320.00
1.34	5.47	7.76	7.18	.060	.085	.060	.000	316.00	1520.00
.009793	250.	250.	250.	2	14	0	.00	762.01	2282.01

SPECIAL BRIDGE

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	.90	1.60	2.75	.00	450.00	77.00	3112.00	2.00	318.00	318.00

*SECNO 358.000
BTCARD BRIDGE STENCL= 1510.00 STENCR= 2300.00
6870 D.S. ENERGY OF 328.14 IS HIGHER THAN COMPUTED ENERGY OF 327.34

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

PRESSURE AND WEIR FLOW

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	TRAPEZOID AREA	ELLC	ELTRD	WEIRLN
327.34	327.34	.01	30414.	5582.	3112.	3112.	326.00	324.00	188.

3470 ENCROACHMENT STATIONS= 1510.0 2300.0 TYPE= 1 TARGET= 790.000
CARLTON HILLS BLVD BRIDGE (SPECIAL BRIDGE ROUTINE)

358.00	11.12	327.12	.00	326.84	328.14	1.03	.00	.00	316.00
36000.	2048.	33949.	3.	737.	4071.	2.	4518.	412.	326.00
1.34	2.78	8.34	1.66	.060	.040	.030	.000	316.00	1510.00
.002631	65.	65.	65.	2	0	6	.00	771.59	2281.59

*SECNO 360.000

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 1565.0 2435.0 TYPE= 1 TARGET= 870.000

360.00	12.74	328.74	322.44	328.47	329.03	.29	.66	.22	320.00
36000.	28837.	6698.	464.	6360.	2064.	224.	4570.	419.	320.00
1.37	4.53	3.24	2.07	.060	.085	.085	.000	316.00	1565.00
.001493	335.	345.	355.	2	11	0	.00	870.00	2435.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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
*SECNO 370.000

3470 ENCROACHMENT STATIONS= 1470.0 2500.0 TYPE= 1 TARGET= 1030.000

370.00	11.28	329.28	323.31	329.02	329.51	.23	.48	.01	320.00
36000.	29820.	3193.	2986.	7346.	1019.	1278.	4643.	426.	320.00
1.39	4.06	3.13	2.34	.060	.085	.085	.000	318.00	1470.00
.001314	345.	345.	350.	2	18	0	.00	1030.00	2500.00

*SECNO 380.000

3470 ENCROACHMENT STATIONS= 1540.0 2625.0 TYPE= 1 TARGET= 1085.000

380.00	11.72	329.72	324.18	329.41	329.98	.26	.46	.01	320.00
36000.	29821.	2222.	3957.	7001.	635.	1479.	4712.	434.	320.00
1.41	4.26	3.50	2.68	.060	.085	.085	.000	318.00	1540.00
.001575	320.	320.	320.	0	11	0	.00	1085.00	2625.00

*SECNO 390.000

3470 ENCROACHMENT STATIONS= 1730.0 2620.0 TYPE= 1 TARGET= 890.000

390.00	12.65	330.65	325.85	330.20	331.03	.38	1.02	.04	324.00
36000.	25683.	5933.	4384.	4746.	1492.	1450.	4812.	446.	324.00
1.44	5.41	3.98	3.02	.060	.085	.085	.000	318.00	1730.00
.002488	520.	520.	520.	2	23	0	.00	890.00	2620.00

*SECNO 400.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 1820.0 2585.0 TYPE= 1 TARGET= 765.000
DOWNSTREAM END OF MISSION CREEK DEVELOPMENT

400.00	13.76	331.76	322.76	331.24	331.98	.22	.93	.02	320.00
36000.	1661.	32450.	1889.	375.	8855.	387.	4928.	457.	320.00
1.49	4.43	3.66	4.88	.040	.075	.040	.000	318.00	1820.00
.001060	705.	540.	495.	2	18	0	.00	765.00	2585.00

1490 NH CARD USED

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 410.000

3470 ENCROACHMENT STATIONS= 2970.5 3710.0 TYPE= 1 TARGET= 739.500

410.00	14.41	332.41	323.09	331.93	332.65	.24	.66	.01	320.00
36000.	1832.	32452.	1717.	460.	8262.	403.	5079.	469.	320.00
1.54	3.98	3.93	4.26	.040	.065	.040	.000	318.00	2970.50
.000856	672.	700.	726.	2	18	0	.00	739.50	3710.00

1490 NH CARD USED
*SECNO 415.000

3470 ENCROACHMENT STATIONS= 3200.0 3945.0 TYPE= 1 TARGET= 745.000

415.00	15.04	333.04	323.09	332.64	333.25	.20	.59	.00	320.00
36000.	1560.	32032.	2408.	390.	9000.	591.	5250.	482.	320.00
1.60	4.00	3.56	4.08	.040	.065	.040	.000	318.00	3200.00
.000675	765.	780.	800.	2	22	0	.00	745.00	3945.00

1490 NH CARD USED
*SECNO 420.000

3470 ENCROACHMENT STATIONS= 3411.5 4065.0 TYPE= 1 TARGET= 653.500

420.00	15.40	333.40	324.28	333.04	333.70	.29	.42	.03	320.00
36000.	2448.	30235.	3317.	434.	7463.	579.	5352.	490.	320.00
1.63	5.64	4.05	5.73	.040	.075	.040	.000	318.00	3411.50
.001207	480.	480.	480.	0	18	0	.00	653.50	4065.00

*SECNO 421.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 2617.0 3057.0 TYPE= 1 TARGET= 440.000

421.00	9.51	333.51	330.35	333.18	334.80	1.29	.80	.30	325.00
36000.	1687.	34171.	142.	191.	3742.	26.	5405.	495.	328.00
1.64	8.82	9.13	5.49	.040	.050	.040	.000	324.00	2617.00
.004785	375.	375.	375.	2	18	0	.00	440.00	3057.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= .300 CEHV= .500
*SECNO 422.000

3301 HV CHANGED MORE THAN HVINS

3370 NORMAL BRIDGE, NRD= 53 MIN ELTRD= 344.00 MAX ELLC= 342.00

3470 ENCROACHMENT STATIONS= 2617.0 3057.0 TYPE= 1 TARGET= 440.000
CUYAMACA BRIDGE - UPSTREAM LIMIT OF MISSION CREEK DEVELOPMENT
(NORMAL BRIDGE ROUTINE)

422.00	9.13	333.13	331.29	332.75	335.28	2.15	.05	.43	326.00
36000.	1014.	34734.	252.	119.	2920.	50.	5406.	495.	326.00
1.64	8.53	11.89	5.06	.040	.030	.040	.000	324.00	2617.00
.005399	10.	10.	10.	2	15	0	-691.36	440.00	3057.00

*SECNO 423.000

3370 NORMAL BRIDGE, NRD= 53 MIN ELTRD= 344.00 MAX ELLC= 342.00

3470 ENCROACHMENT STATIONS= 4616.0 5058.0 TYPE= 1 TARGET= 442.000

423.00	9.86	333.86	331.29	333.68	335.69	1.83	.31	.10	326.00
36000.	1094.	34617.	289.	135.	3156.	59.	5411.	495.	326.00
1.64	8.09	10.97	4.86	.040	.030	.040	.000	324.00	4616.00
.004294	65.	65.	65.	3	15	0	-751.86	442.00	5058.00

1490 NH CARD USED
*SECNO 424.000

3470 ENCROACHMENT STATIONS= 4633.0 5082.0 TYPE= 1 TARGET= 449.000

424.00	8.09	334.09	332.18	333.88	335.79	1.70	.06	.04	326.00
36000.	743.	33908.	1349.	103.	3205.	154.	5411.	496.	326.00
1.64	7.23	10.58	8.75	.050	.050	.050	.000	326.00	4633.00
.007801	10.	10.	10.	2	14	0	.00	449.00	5082.00

1490 NH CARD USED
*SECNO 425.000

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

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4420.0 5270.0 TYPE= 1 TARGET= 850.000

425.00	10.64	336.64	332.26	336.57	337.09	.44	.92	.38	328.00
36000.	13919.	14371.	7711.	2479.	3166.	1248.	5440.	499.	328.00
1.65	5.61	4.54	6.18	.045	.075	.045	.000	326.00	4420.00
.002342	285.	225.	215.	2	15	0	.00	850.00	5270.00

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 430.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4860.0 5860.0 TYPE= 1 TARGET= 1000.000

430.00	11.92	337.92	335.12	337.53	338.78	.85	1.57	.12	328.00
36000.	9380.	15314.	11306.	1798.	2142.	1242.	5506.	509.	328.00
1.67	5.22	7.15	9.11	.045	.075	.045	.000	326.00	4860.00
.004950	495.	470.	465.	3	10	0	.00	1000.00	5860.00

1490 NH CARD USED
*SECNO 440.000

3470 ENCROACHMENT STATIONS= 4365.0 5420.0 TYPE= 1 TARGET= 1055.000

440.00	12.19	340.19	336.12	339.55	340.62	.43	1.80	.04	330.00
34000.	20450.	10421.	3129.	3754.	2074.	645.	5578.	522.	330.00
1.70	5.45	5.03	4.85	.045	.075	.045	.000	328.00	4365.00
.002352	535.	545.	550.	2	15	0	.00	1055.00	5420.00

1490 NH CARD USED
*SECNO 450.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 4375.0 5410.0 TYPE= 1 TARGET= 1035.000

450.00	12.70	340.70	333.28	340.18	340.97	.27	.33	.02	330.00
34000.	4892.	28959.	149.	3018.	6503.	120.	5680.	535.	330.00
1.74	1.62	4.45	1.25	.055	.030	.055	.000	328.00	4375.00
.000274	575.	530.	545.	2	14	0	.00	1035.00	5410.00

1490 NH CARD USED
*SECNO 460.000

3470 ENCROACHMENT STATIONS= 4380.0 5360.0 TYPE= 1 TARGET= 980.000

460.00	12.88	340.88	332.27	340.40	341.08	.19	.10	.01	330.00
34000.	1323.	32507.	170.	1248.	8999.	153.	5783.	546.	330.00
1.77	1.06	3.61	1.11	.055	.030	.055	.000	328.00	4380.00
.000178	480.	440.	425.	2	17	0	.00	980.00	5360.00

1490 NH CARD USED
*SECNO 470.000

3265 DIVIDED FLOW

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4125.0 5130.0 TYPE= 1 TARGET= 1005.000

470.00	12.90	340.90	336.66	340.49	341.45	.55	.27	.11	330.00
34000.	25636.	8364.	0.	4187.	1569.	0.	5892.	560.	100000.00
1.80	6.12	5.33	.00	.045	.070	.000	.000	328.00	4125.00
.002534	790.	480.	430.	2	15	0	.00	881.97	5130.00

1490 NH CARD USED
*SECNO 480.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 3105.0 4125.6 TYPE= 1 TARGET= 1020.600

480.00	10.82	340.82	339.30	340.18	343.79	2.97	1.61	.73	340.00
34000.	3.	33996.	1.	1.	2460.	1.	5919.	564.	340.00
1.81	2.56	13.82	2.48	.045	.070	.045	.000	330.00	3870.17
.020780	305.	280.	280.	2	11	0	.00	255.43	4125.60

1490 NH CARD USED
*SECNO 483.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3120.0 4140.0 TYPE= 1 TARGET= 1020.000

483.00	13.61	343.61	339.93	343.81	345.25	1.64	1.33	.13	340.00
34000.	2391.	31278.	331.	550.	2941.	74.	5926.	565.	340.00
1.81	4.34	10.63	4.50	.045	.070	.045	.000	330.00	3120.00
.009195	100.	100.	105.	3	11	0	.00	641.85	4140.00

*SECNO 484.000

3301 HV CHANGED MORE THAN HVINS

3470 ENCROACHMENT STATIONS= 3080.0 4095.0 TYPE= 1 TARGET= 1015.000

484.00	15.34	345.34	344.48	345.16	346.36	1.02	1.05	.06	342.00
34000.	10976.	22309.	715.	1789.	2489.	109.	5937.	567.	342.00
1.81	6.13	8.96	6.54	.045	.070	.045	.000	330.00	3080.00
.009186	110.	115.	160.	2	9	0	.00	1015.00	4095.00

*SECNO 485.000

3301 HV CHANGED MORE THAN HVINS

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

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 3080.0 4095.0 TYPE= 1 TARGET= 1015.000
CHUBB LANE CROSSING

485.00	5.36	345.36	345.36	344.96	347.03	1.67	.15	.20	342.00
34000.	18751.	14029.	1220.	1798.	1367.	110.	5937.	567.	342.00
1.81	10.43	10.26	11.12	.045	.070	.045	.000	340.00	3080.00
.026383	10.	10.	10.	0	22	0	.00	1015.00	4095.00

*SECNO 486.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3080.0 4095.0 TYPE= 1 TARGET= 1015.000

486.00	16.66	346.66	344.49	346.04	347.23	.57	.09	.11	342.00
34000.	14452.	18720.	828.	2725.	2838.	153.	5938.	567.	342.00
1.81	5.30	6.60	5.40	.045	.070	.045	.000	330.00	3080.00
.004180	10.	10.	10.	3	17	0	.00	1015.00	4095.00

1490 NH CARD USED
*SECNO 490.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3030.0 4050.0 TYPE= 1 TARGET= 1020.000

490.00	17.30	347.30	344.15	346.63	347.71	.41	.46	.02	336.00
34000.	22052.	9777.	2171.	4331.	1715.	814.	5964.	571.	336.00
1.82	5.09	5.70	2.67	.040	.070	.075	.000	330.00	3030.00
.001831	175.	175.	175.	2	9	0	.00	1020.00	4050.00

1490 NH CARD USED
*SECNO 500.000

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

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3280.0 4155.0 TYPE= 1 TARGET= 875.000

500.00	17.80	347.80	339.31	347.25	348.08	.28	.36	.01	334.00
33000.	7870.	19185.	5944.	2587.	4087.	1444.	6051.	582.	334.00
1.86	3.04	4.69	4.12	.030	.040	.030	.000	330.00	3280.00
.000363	495.	510.	525.	2	11	0	.00	875.00	4155.00

1490 NH CARD USED
*SECNO 507.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3851.0 4335.0 TYPE= 1 TARGET= 484.000

507.00	13.85	347.85	341.40	347.29	348.44	.59	.27	.09	342.00
33000.	89.	32054.	856.	33.	5135.	234.	6124.	590.	342.00
1.88	2.72	6.24	3.66	.040	.040	.040	.000	334.00	3851.00
.001036	510.	470.	450.	2	14	0	.00	484.00	4335.00

CCHV= .300 CEHV= .500
*SECNO 508.000

3370 NORMAL BRIDGE, NRD= 49 MIN ELTRD= 352.00 MAX ELLC= 352.00

3470 ENCROACHMENT STATIONS= 3852.0 4334.0 TYPE= 1 TARGET= 482.000
MAGNOLIA AVE BRIDGE (NORMAL BRIDGE ROUTINE)

508.00	13.72	347.72	342.28	347.15	348.60	.88	.01	.14	342.00
33000.	117.	32013.	870.	30.	4221.	187.	6125.	590.	342.00
1.88	3.84	7.58	4.65	.040	.030	.040	.000	334.00	3852.00
.002063	10.	10.	10.	2	9	0	-899.41	482.00	4334.00

*SECNO 509.000

3370 NORMAL BRIDGE, NRD= 49 MIN ELTRD= 352.00 MAX ELLC= 352.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 3851.0 4335.0 TYPE= 1 TARGET= 484.000

509.00	13.89	347.89	342.34	347.35	348.74	.85	.13	.01	336.00
33000.	1197.	31650.	154.	240.	4225.	42.	6132.	591.	342.00
1.88	4.98	7.49	3.66	.040	.030	.040	.000	334.00	3851.00
.001987	65.	65.	65.	2	12	0	-913.06	484.00	4335.00

1490 NH CARD USED
*SECNO 510.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3867.0 4352.0 TYPE= 1 TARGET= 485.000

510.00	16.29	348.29	341.38	347.80	348.84	.55	.01	.09	342.00
33000.	210.	32400.	390.	71.	5402.	128.	6133.	591.	341.00
1.88	2.96	6.00	3.05	.040	.040	.040	.000	332.00	3867.00
.000907	10.	10.	10.	2	19	0	.00	485.00	4352.00

CCHV= .100 CEHV= .300
1490 NH CARD USED
*SECNO 515.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 3750.0 4440.0 TYPE= 1 TARGET= 690.000

515.00	16.83	348.83	337.00	348.42	348.97	.14	.09	.04	334.00
33000.	6962.	26038.	0.	2612.	8481.	0.	6185.	594.	100000.00
1.91	2.67	3.07	.00	.040	.040	.000	.000	332.00	3750.00
.000166	250.	275.	350.	2	17	0	.00	690.00	4440.00

1490 NH CARD USED
*SECNO 520.000

3470 ENCROACHMENT STATIONS= 4240.0 4865.0 TYPE= 1 TARGET= 625.000

520.00	16.87	348.87	337.78	348.44	349.07	.20	.09	.02	334.00
33000.	2594.	30178.	229.	1072.	8161.	126.	6315.	603.	334.00
1.95	2.42	3.70	1.81	.040	.031	.040	.000	332.00	4240.00
.000146	515.	560.	590.	2	22	0	.00	625.00	4865.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 530.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 4170.0 4650.0 TYPE= 1 TARGET= 480.000

530.00	14.85	348.85	340.59	348.41	349.28	.43	.13	.07	334.00
33000.	819.	27099.	5083.	248.	4841.	1477.	6428.	611.	334.00
1.98	3.30	5.60	3.44	.040	.030	.040	.000	334.00	4170.00
.000350	640.	620.	610.	2	18	0	.00	480.00	4650.00

1490 NH CARD USED
*SECNO 535.000

3470 ENCROACHMENT STATIONS= 2120.0 2530.0 TYPE= 1 TARGET= 410.000

535.00	14.83	348.83	341.33	348.39	349.46	.63	.12	.06100000.00	
33000.	0.	28604.	4396.	0.	4305.	1104.	6467.	614.	336.00
1.99	.00	6.64	3.98	.000	.031	.040	.000	334.00	2120.00
.000560	290.	280.	275.	2	8	0	.00	410.00	2530.00

1490 NH CARD USED
*SECNO 540.000

3470 ENCROACHMENT STATIONS= 2055.0 2467.0 TYPE= 1 TARGET= 412.000

540.00	15.07	349.07	340.65	348.69	349.63	.56	.17	.01	336.00
33000.	7.	31319.	1674.	10.	5099.	524.	6511.	617.	336.00
2.01	.64	6.14	3.19	.040	.030	.040	.000	334.00	2055.00
.000429	365.	350.	335.	2	14	0	.00	412.00	2467.00

1490 NH CARD USED
*SECNO 550.000

3470 ENCROACHMENT STATIONS= 1830.0 2350.0 TYPE= 1 TARGET= 520.000

550.00	15.38	349.38	341.72	348.98	349.93	.55	.29	.00	336.00
33000.	3316.	25676.	4007.	790.	3979.	1332.	6598.	624.	336.00
2.04	4.20	6.45	3.01	.040	.030	.040	.000	334.00	1830.00
.000461	645.	650.	655.	1	8	0	.00	520.00	2350.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 560.000

3470 ENCROACHMENT STATIONS= 1575.0 2200.0 TYPE= 1 TARGET= 625.000

560.00	15.85	349.85	341.16	349.45	350.16	.31	.22	.02	336.00
33000.	1939.	21053.	10008.	748.	4102.	3195.	6696.	632.	336.00
2.08	2.59	5.13	3.13	.050	.031	.040	.000	334.00	1575.00
.000290	605.	600.	595.	2	14	0	.00	625.00	2200.00

1490 NH CARD USED
*SECNO 562.000

3470 ENCROACHMENT STATIONS= 1080.0 1790.0 TYPE= 1 TARGET= 710.000

562.00	16.00	350.00	341.05	349.60	350.25	.25	.08	.01	336.00
33000.	2622.	15796.	14582.	1098.	3249.	4642.	6751.	636.	336.00
2.10	2.39	4.86	3.14	.050	.031	.040	.000	334.00	1080.00
.000256	280.	280.	285.	2	14	0	.00	710.00	1790.00

1490 NH CARD USED
*SECNO 564.000

3470 ENCROACHMENT STATIONS= 920.0 1650.0 TYPE= 1 TARGET= 730.000

564.00	16.09	350.09	340.80	349.70	350.31	.22	.05	.00	336.00
33000.	3739.	19023.	10239.	1542.	4435.	3449.	6797.	640.	336.00
2.12	2.42	4.29	2.97	.050	.034	.040	.000	334.00	920.00
.000244	220.	220.	220.	2	18	0	.00	730.00	1650.00

*SECNO 566.000

3470 ENCROACHMENT STATIONS= 870.0 1405.0 TYPE= 1 TARGET= 535.000

566.00	15.92	349.92	341.86	349.52	350.51	.59	.09	.11	338.00
33000.	1525.	29077.	2398.	942.	4455.	1089.	6849.	644.	338.00
2.13	1.62	6.53	2.20	.085	.030	.060	.000	334.00	870.00
.000449	280.	280.	280.	2	11	0	.00	535.00	1405.00

*SECNO 570.000

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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= 1525.0 1960.0 TYPE= 1 TARGET= 435.000

570.00	15.72	349.72	343.61	349.31	350.83	1.11	.17	.16	336.00
33000.	1748.	28454.	2799.	878.	3143.	912.	6885.	647.	336.00
2.14	1.99	9.05	3.07	.085	.030	.060	.000	334.00	1525.00
.000856	285.	280.	280.	2	11	0	.00	435.00	1960.00

*SECNO 572.000

3470 ENCROACHMENT STATIONS= 757.0 1150.0 TYPE= 1 TARGET= 393.000

572.00	16.07	350.07	342.59	349.70	350.99	.93	.14	.02	336.00
33000.	1821.	29286.	1893.	781.	3590.	684.	6907.	649.	336.00
2.15	2.33	8.16	2.77	.085	.030	.060	.000	334.00	757.00
.000675	200.	187.	178.	2	11	0	.00	393.00	1150.00

*SECNO 574.000

3470 ENCROACHMENT STATIONS= 705.0 1090.0 TYPE= 1 TARGET= 385.000

574.00	16.53	350.53	341.31	350.20	351.13	.60	.10	.03	336.00
33000.	611.	31153.	1236.	378.	4888.	515.	6932.	650.	336.00
2.16	1.62	6.37	2.40	.085	.030	.060	.000	334.00	705.00
.000396	210.	200.	190.	2	14	0	.00	385.00	1090.00

*SECNO 576.000

3470 ENCROACHMENT STATIONS= 688.0 1060.0 TYPE= 1 TARGET= 372.000

576.00	16.43	350.43	342.83	350.13	351.29	.86	.08	.08	338.00
33000.	645.	28938.	3417.	344.	3672.	1135.	6953.	652.	338.00
2.16	1.88	7.88	3.01	.085	.030	.060	.000	334.00	688.00
.000622	190.	170.	165.	2	11	0	.00	372.00	1060.00

*SECNO 582.000

3470 ENCROACHMENT STATIONS= 615.0 1080.0 TYPE= 1 TARGET= 465.000

582.00	14.60	350.60	344.96	350.38	351.56	.96	.24	.03	338.00
33000.	1106.	26963.	4931.	585.	3140.	1567.	6992.	655.	338.00
2.17	1.89	8.59	3.15	.085	.030	.060	.000	336.00	615.00
.000850	335.	330.	310.	0	11	0	.00	465.00	1080.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 584.000

3470 ENCROACHMENT STATIONS= 538.0 1085.0 TYPE= 1 TARGET= 547.000

584.00	15.05	351.05	344.44	350.65	351.73	.68	.14	.03	338.00
33000.	1801.	25059.	6140.	867.	3371.	2177.	7019.	657.	338.00
2.18	2.08	7.43	2.82	.085	.030	.060	.000	336.00	538.00
.000612	210.	200.	190.	2	11	0	.00	547.00	1085.00

*SECNO 586.000

3470 ENCROACHMENT STATIONS= 465.0 960.0 TYPE= 1 TARGET= 495.000

586.00	15.13	351.13	344.56	350.84	351.89	.75	.14	.02	338.00
33000.	2365.	23093.	7542.	1087.	2859.	2231.	7048.	660.	338.00
2.19	2.18	8.08	3.38	.085	.030	.060	.000	336.00	465.00
.000719	205.	205.	205.	2	11	0	.00	495.00	960.00

*SECNO 592.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 371.0 720.0 TYPE= 1 TARGET= 349.000

592.00	14.95	350.95	346.29	350.70	352.51	1.56	.38	.24	338.00
33000.	2034.	24966.	6000.	653.	2215.	1345.	7094.	663.	338.00
2.20	3.12	11.27	4.46	.085	.030	.060	.000	336.00	371.00
.001479	375.	380.	385.	2	19	0	.00	349.00	720.00

*SECNO 594.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS= 595.0 830.0 TYPE= 1 TARGET= 235.000

594.00	11.02	351.02	351.02	351.08	355.39	4.37	1.05	.84	342.00
33000.	3189.	25617.	4193.	174.	1601.	210.	7110.	665.	342.00
2.21	18.32	16.00	19.93	.075	.125	.065	.000	340.00	595.00
.076782	230.	230.	230.	0	19	0	.00	235.00	830.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 600.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 660.0 995.0 TYPE= 1 TARGET= 335.000

600.00	16.05	358.05	351.56	358.03	359.01	.96	3.28	.34	346.00
33000.	8352.	23397.	1251.	962.	3125.	137.	7121.	666.	346.00
2.21	8.68	7.49	9.15	.075	.125	.065	.000	342.00	660.00
.010217	145.	150.	155.	4	15	0	.00	335.00	995.00

*SECNO 610.000

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 280.0 645.0 TYPE= 1 TARGET= 365.000

610.00	18.66	360.66	349.98	360.64	361.15	.48	2.09	.05	346.00
33000.	1861.	30033.	1106.	335.	5408.	179.	7157.	668.	346.00
2.23	5.56	5.55	6.20	.075	.125	.065	.000	342.00	280.00
.004688	295.	315.	355.	4	8	0	.00	365.00	645.00

*SECNO 620.000

3470 ENCROACHMENT STATIONS= 330.0 730.0 TYPE= 1 TARGET= 400.000

620.00	18.65	362.65	352.26	362.65	363.08	.43	1.93	.01	100000.00
33000.	0.	33000.	0.	0.	6302.	0.	7213.	672.	100000.00
2.25	.00	5.24	.00	.000	.125	.000	.000	344.00	330.00
.005087	395.	395.	395.	2	14	0	.00	400.00	730.00

*SECNO 630.000

3470 ENCROACHMENT STATIONS= 380.0 750.0 TYPE= 1 TARGET= 370.000

630.00	19.82	363.82	352.78	363.81	364.29	.47	1.19	.01	348.00
33000.	3562.	26949.	2489.	623.	5078.	347.	7250.	674.	348.00
2.26	5.72	5.31	7.18	.075	.125	.065	.000	344.00	380.00
.004036	235.	265.	295.	2	14	0	.00	370.00	750.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	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 640.000

3301 HV CHANGED MORE THAN HVINS

3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE

3470 ENCROACHMENT STATIONS= 401.0 600.0 TYPE= 1 TARGET= 199.000

FIANL CROSS SECTION - APPROX. 200 FT. DOWNSTREAM OF RIVERFORD BRIDGE

640.00	19.44	365.44	358.29	365.40	367.09	1.65	2.45	.35	350.00
33000.	2782.	27559.	2659.	271.	2697.	240.	7287.	676.	350.00
2.27	10.28	10.22	11.10	.075	.125	.065	.000	346.00	401.00
.014945	345.	350.	355.	2	14	0	.00	199.00	600.00

THIS RUN EXECUTED 6/24/92 12:50:55

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HEC2 RELEASE DATED SEPT 88

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

PROFILE 1 - 100 YEAR FLO

SUMMARY PRINTOUT

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
*	100.000	280.55	280.55	10.55	38000.00	7.36	37992.07	.56	284.91	2319.40	3.78	16.75	3.15
	100.000	281.55	280.50	11.55	38000.00	5.97	37994.03	.00	285.06	1628.73	4.91	15.04	.00
*	110.000	287.97	284.28	13.97	38000.00	2882.51	34433.88	683.61	289.86	593.61	14.77	10.68	10.59
*	110.000	287.62	284.26	13.62	38000.00	2680.68	34735.79	583.53	289.66	665.47	15.61	11.09	11.50
*	120.000	290.82	284.61	16.82	38000.00	3808.51	31137.15	3054.34	292.02	264.05	11.49	8.23	10.49
*	120.000	290.74	284.60	16.74	38000.00	3737.62	31235.66	3026.72	291.97	270.64	11.82	8.30	10.55
*	130.000	297.99	287.48	21.99	38000.00	5618.51	23527.88	8853.60	298.61	73.17	6.82	5.16	8.47
*	130.000	298.39	287.48	22.39	38000.00	2399.01	25722.11	9878.88	299.10	81.84	7.78	5.53	9.10
	140.000	301.91	288.62	25.91	38000.00	3860.58	28377.58	5761.85	302.44	64.21	6.25	5.26	7.90
	140.000	302.54	288.60	26.54	38000.00	2665.03	29260.41	6074.56	303.10	62.27	7.58	5.27	8.02
*	150.000	303.43	287.08	23.43	38000.00	870.98	22246.51	14882.51	303.62	8.81	1.87	2.16	4.83
*	150.000	303.99	287.08	23.99	38000.00	475.86	21623.91	15900.24	304.17	7.66	1.97	2.05	4.65
*	160.000	303.97	291.54	21.97	38000.00	33311.62	3778.80	909.58	304.05	3.50	2.40	2.42	1.17
*	160.000	304.48	291.56	22.48	38000.00	33042.74	3788.47	1168.79	304.56	3.22	2.34	2.36	1.25
*	170.000	304.08	293.21	22.08	38000.00	27876.56	1803.74	8319.70	304.13	1.75	1.90	1.64	1.76
*	170.000	304.59	293.18	22.59	38000.00	27690.71	1777.98	8531.31	304.64	1.55	1.84	1.57	1.72
*	180.000	304.13	292.31	18.13	38000.00	32332.93	3921.19	1745.88	304.20	.82	2.18	1.07	1.24
*	180.000	304.63	292.36	18.63	38000.00	32330.47	3919.01	1750.52	304.69	.74	2.11	1.04	1.25
*	190.000	304.17	289.76	18.17	38000.00	35057.10	2848.29	94.61	304.23	.37	1.94	.73	.39
*	190.000	304.67	289.74	18.67	38000.00	35033.61	2854.60	111.79	304.72	.34	1.89	.71	.39
*	200.000	304.23	290.07	18.23	38000.00	25806.00	2295.95	9898.06	304.29	3.17	1.46	1.25	2.83
*	200.000	304.72	290.08	18.72	38000.00	25540.55	2287.97	10171.48	304.77	2.82	1.41	1.21	2.75

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
	209.000	304.37	291.12	18.37	38000.00	19214.92	5154.75	13630.33	304.43	3.90	1.53	1.41	2.71
	209.000	304.84	291.11	18.84	38000.00	19153.99	5150.53	13695.48	304.91	3.51	1.48	1.37	2.80
*	210.000	304.27	298.71	18.27	38000.00	6900.28	8610.63	22489.09	304.48	11.14	1.38	2.37	4.55
*	210.000	304.74	298.71	18.74	38000.00	7308.99	8447.90	22243.12	304.96	9.66	1.36	2.26	4.61
*	211.000	304.44	291.12	18.44	38000.00	19150.20	5138.87	13710.93	304.51	3.82	1.51	1.40	2.70
*	211.000	304.91	291.11	18.91	38000.00	19103.19	5138.39	13758.43	304.98	3.44	1.47	1.36	2.79
	220.000	304.71	297.10	16.71	38000.00	6257.56	4678.44	27064.00	304.84	4.14	3.03	.94	3.19
	220.000	305.15	297.16	17.15	38000.00	6056.05	4574.76	27369.20	305.28	3.61	3.01	.90	3.08
	230.000	304.89	298.77	16.89	38000.00	2673.15	3499.23	31827.62	305.11	5.78	3.42	1.11	3.95
	230.000	305.30	298.74	17.30	38000.00	2808.74	3511.09	31680.16	305.52	5.33	3.38	1.09	3.92
*	239.000	304.95	297.86	14.95	38000.00	2261.69	13043.76	22694.55	305.82	37.91	8.85	2.73	9.04
*	239.000	305.35	297.87	15.35	38000.00	2259.47	12748.31	22992.22	306.17	33.10	8.47	2.60	8.72
*	240.000	306.98	297.17	16.98	38000.00	2.52	37997.48	.00	307.39	132.27	2.48	5.14	.00
*	240.000	307.18	297.14	17.18	38000.00	4.16	37995.84	.00	307.58	126.43	2.83	5.07	.00
*	242.000	306.97	297.53	16.97	38000.00	.86	37999.14	.00	307.45	9.39	.87	5.58	.00
*	242.000	307.17	297.53	17.17	38000.00	1.13	37998.87	.00	307.64	9.02	1.01	5.51	.00
	243.000	307.03	297.53	17.03	38000.00	.00	37980.43	19.57	307.51	9.20	.00	5.56	1.87
	243.000	307.23	297.53	17.23	38000.00	.00	37979.57	20.43	307.70	8.84	.00	5.49	1.86
*	244.000	307.12	297.69	17.12	38000.00	.00	38000.00	.00	307.54	68.66	.00	5.17	.00
*	244.000	307.32	297.70	17.32	38000.00	.00	38000.00	.00	307.72	65.60	.00	5.10	.00
*	245.000	307.60	296.07	17.60	38000.00	15026.80	17368.06	5605.15	307.90	9.20	6.02	2.15	4.10
*	245.000	307.71	295.91	17.71	38000.00	16802.16	20194.79	1003.05	308.15	12.19	7.43	2.48	5.03
	250.000	308.39	299.02	18.39	38000.00	5707.58	5891.06	26401.36	308.53	7.38	3.95	1.94	3.03
	250.000	308.80	299.21	18.80	38000.00	7098.65	7154.32	23747.03	309.00	10.06	4.85	2.30	3.42
*	260.000	309.50	305.03	15.50	38000.00	533.73	9184.47	28281.80	310.32	51.18	2.43	4.18	8.05
*	260.000	310.26	305.04	16.26	38000.00	551.27	8980.21	28468.53	311.00	40.51	2.39	3.86	7.66
*	270.000	312.91	306.51	14.91	37000.00	3461.44	6445.73	27092.83	313.42	22.38	2.13	2.84	6.49
	270.000	313.23	306.48	15.23	37000.00	3105.61	6763.26	27131.14	313.82	22.75	2.30	2.90	6.97
*	280.000	314.65	307.87	14.65	37000.00	4252.20	2248.31	30499.49	314.79	8.45	1.26	1.69	3.23
*	280.000	315.11	307.94	15.11	37000.00	4165.22	2469.75	30365.03	315.27	9.08	1.28	1.79	3.43
	285.000	315.19	309.22	13.19	37000.00	2834.58	1494.35	32671.08	315.32	7.33	2.13	1.47	3.09
	285.000	315.65	309.21	13.65	37000.00	2706.90	1482.49	32810.61	315.78	6.34	2.29	1.41	3.00
	290.000	315.74	311.14	13.74	37000.00	5645.31	2055.89	29298.80	315.91	10.93	3.69	1.75	3.28
	290.000	316.14	311.17	14.14	37000.00	3023.11	2153.92	31822.96	316.32	10.65	4.36	1.77	3.35

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
*	300.000	316.68	313.31	10.68	37000.00	2017.92	2638.47	32343.61	316.97	23.31	3.86	1.99	4.51
*	300.000	317.04	313.27	11.04	37000.00	.00	2677.51	34322.49	317.34	21.80	.00	1.96	4.50
*	310.000	317.75	313.23	9.75	37000.00	923.33	958.02	35118.64	317.94	11.62	2.19	1.23	3.55
	310.000	318.17	313.73	10.17	37000.00	601.93	1202.76	35195.31	318.42	14.81	3.31	1.45	4.04
*	320.000	319.50	317.26	9.50	37000.00	415.25	9871.67	26713.07	320.03	76.42	5.29	3.81	6.42
*	320.000	320.17	317.30	10.17	37000.00	.00	9169.39	27830.61	320.70	61.00	.00	3.61	6.38
*	330.000	322.64	317.81	10.64	36000.00	17451.99	6631.55	11916.46	322.98	22.88	4.91	4.01	4.51
*	330.000	322.98	317.85	10.98	36000.00	17175.08	6803.74	12021.19	323.31	21.68	4.92	3.99	4.56
	340.000	323.83	318.40	13.83	36000.00	5787.50	16945.86	13266.64	324.12	21.71	4.36	3.83	4.71
	340.000	324.11	318.40	14.11	36000.00	5852.52	16845.83	13301.65	324.37	19.64	4.24	3.71	4.58
	345.000	324.53	319.69	12.53	36000.00	9000.79	20015.56	6983.65	324.88	32.91	5.05	4.43	5.08
	345.000	324.73	319.68	12.73	36000.00	8257.22	20489.92	7252.86	325.09	32.13	5.43	4.44	5.08
	355.000	325.62	321.80	11.62	36000.00	7691.40	24308.14	4000.46	326.04	48.86	4.84	5.23	5.69
	355.000	325.80	321.80	11.80	36000.00	6679.52	25134.85	4185.63	326.25	48.86	5.33	5.30	5.78
	356.000	327.08	323.83	11.08	36000.00	6303.11	29018.37	678.52	327.84	90.99	5.06	7.38	6.80
	356.000	327.26	323.73	11.26	36000.00	4129.55	31121.67	748.78	328.14	97.93	5.47	7.76	7.18
*	358.000	326.84	.00	10.84	36000.00	3033.19	32965.38	1.43	327.84	27.41	2.68	8.34	1.41
*	358.000	327.12	.00	11.12	36000.00	2047.65	33949.40	2.95	328.14	26.31	2.78	8.34	1.66
	360.000	328.47	322.42	12.47	36000.00	28115.08	6467.28	1417.64	328.74	15.18	4.46	3.22	1.90
	360.000	328.74	322.44	12.74	36000.00	28837.45	6698.35	464.20	329.03	14.93	4.53	3.24	2.07
	370.000	329.02	323.34	11.02	36000.00	26811.51	2887.07	6301.42	329.21	11.63	3.75	2.90	2.09
	370.000	329.28	323.31	11.28	36000.00	29820.38	3193.21	2986.41	329.51	13.14	4.06	3.13	2.34
	380.000	329.41	324.11	11.41	36000.00	25573.75	1930.68	8495.57	329.60	13.06	3.80	3.13	2.34
	380.000	329.72	324.18	11.72	36000.00	29821.24	2221.74	3957.03	329.98	15.75	4.26	3.50	2.68
	390.000	330.20	325.75	12.20	36000.00	24818.01	5296.69	5885.29	330.53	23.17	5.04	3.72	2.81
	390.000	330.65	325.85	12.65	36000.00	25682.97	5933.40	4383.62	331.03	24.88	5.41	3.98	3.02
*	400.000	331.24	322.75	13.24	36000.00	3270.18	30980.14	1749.68	331.46	10.98	4.20	3.64	4.67
*	400.000	331.76	322.76	13.76	36000.00	1660.89	32449.65	1889.46	331.98	10.60	4.43	3.66	4.88
	410.000	331.93	323.09	13.93	36000.00	1728.32	32629.26	1642.42	332.20	9.69	4.16	4.09	4.38
	410.000	332.41	323.09	14.41	36000.00	1831.68	32451.58	1716.74	332.65	8.56	3.98	3.93	4.26
	415.000	332.64	323.10	14.64	36000.00	1523.24	32139.30	2337.46	332.86	7.44	3.99	3.67	4.18
	415.000	333.04	323.09	15.04	36000.00	1560.20	32031.77	2408.03	333.25	6.75	4.00	3.56	4.08
	420.000	333.04	324.28	15.04	36000.00	2397.63	30350.63	3251.73	333.36	13.24	5.79	4.17	5.89
	420.000	333.40	324.28	15.40	36000.00	2447.66	30235.22	3317.12	333.70	12.07	5.64	4.05	5.73

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
	421.000	333.18	330.37	9.18	36000.00	1644.00	34227.24	128.76	334.57	54.08	9.09	9.48	5.52
*	421.000	333.51	330.35	9.51	36000.00	1687.24	34171.24	141.53	334.80	47.85	8.82	9.13	5.49
	422.000	332.75	331.29	8.75	36000.00	971.30	34795.57	233.13	335.11	61.12	8.74	12.43	5.16
	422.000	333.13	331.29	9.13	36000.00	1013.78	34734.45	251.77	335.28	53.99	8.53	11.89	5.06
	423.000	333.68	331.29	9.68	36000.00	1074.27	34646.00	279.73	335.58	45.43	8.19	11.19	4.90
	423.000	333.86	331.29	9.86	36000.00	1093.63	34617.20	289.16	335.69	42.94	8.09	10.97	4.86
	424.000	333.88	332.18	7.88	36000.00	720.63	33946.33	1333.04	335.68	85.16	7.38	10.87	8.96
	424.000	334.09	332.18	8.09	36000.00	743.15	33908.34	1348.51	335.79	78.01	7.23	10.58	8.75
*	425.000	336.57	332.11	10.57	36000.00	12474.41	12538.88	10986.71	336.91	18.23	4.82	3.99	5.27
*	425.000	336.64	332.26	10.64	36000.00	13918.51	14370.78	7710.71	337.09	23.42	5.61	4.54	6.18
	430.000	337.53	334.17	11.53	36000.00	6532.31	12473.52	16994.18	338.20	36.83	4.22	6.03	7.60
*	430.000	337.92	335.12	11.92	36000.00	9380.38	15313.76	11305.85	338.78	49.50	5.22	7.15	9.11
	440.000	339.55	336.14	11.55	34000.00	19760.82	10978.35	3260.83	340.06	31.29	5.90	5.59	4.84
	440.000	340.19	336.12	12.19	34000.00	20450.12	10420.73	3129.15	340.62	23.52	5.45	5.03	4.85
*	450.000	340.18	333.28	12.18	34000.00	4669.56	29192.97	137.46	340.48	3.20	1.62	4.68	1.15
*	450.000	340.70	333.28	12.70	34000.00	4892.29	28958.70	149.01	340.97	2.74	1.62	4.45	1.25
	460.000	340.40	332.27	12.40	34000.00	1767.11	32067.00	165.89	340.60	1.97	1.00	3.70	.82
	460.000	340.88	332.27	12.88	34000.00	1322.93	32507.39	169.68	341.08	1.78	1.06	3.61	1.11
*	470.000	340.49	336.44	12.49	34000.00	24053.42	9528.00	418.57	340.98	25.98	5.62	5.61	4.69
*	470.000	340.90	336.66	12.90	34000.00	25636.46	8363.53	.00	341.45	25.34	6.12	5.33	.00
*	480.000	340.18	339.28	10.18	34000.00	.00	33999.99	.00	343.59	260.96	.05	14.80	.05
*	480.000	340.82	339.30	10.82	34000.00	2.68	33996.04	1.28	343.79	207.80	2.56	13.82	2.48
*	483.000	343.81	339.97	13.81	34000.00	4246.96	28574.24	1178.80	345.05	72.58	4.16	9.55	5.14
*	483.000	343.61	339.93	13.61	34000.00	2390.80	31277.98	331.22	345.25	91.95	4.34	10.63	4.50
	484.000	345.16	344.27	15.16	34000.00	12069.74	19867.79	2062.46	345.96	77.92	5.60	8.14	5.72
	484.000	345.34	344.48	15.34	34000.00	10976.13	22308.68	715.19	346.36	91.86	6.13	8.96	6.54
*	485.000	344.96	344.96	4.96	34000.00	18995.99	11935.60	3068.41	346.38	249.49	9.59	9.46	9.82
*	485.000	345.36	345.36	5.36	34000.00	18750.78	14029.44	1219.79	347.03	263.83	10.43	10.26	11.12
*	486.000	346.04	344.26	16.04	34000.00	14543.03	17214.68	2242.29	346.56	43.13	4.98	6.44	5.10
*	486.000	346.66	344.49	16.66	34000.00	14452.19	18719.79	828.02	347.23	41.80	5.30	6.60	5.40
	490.000	346.63	344.22	16.63	34000.00	20711.90	10502.13	2785.97	347.12	24.38	5.43	6.39	2.76
*	490.000	347.30	344.15	17.30	34000.00	22051.85	9776.88	2171.27	347.71	18.31	5.09	5.70	2.67
*	500.000	347.25	339.32	17.25	33000.00	6846.64	18675.81	7477.55	347.54	3.83	2.95	4.72	4.31
*	500.000	347.80	339.31	17.80	33000.00	7870.43	19185.10	5944.47	348.08	3.63	3.04	4.69	4.12

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
*	507.000	347.29	341.36	13.29	33000.00	75.49	32147.81	776.70	347.95	12.21	2.72	6.57	3.71
*	507.000	347.85	341.40	13.85	33000.00	89.17	32054.40	856.43	348.44	10.36	2.72	6.24	3.66
	508.000	347.15	342.28	13.15	33000.00	98.20	32125.39	776.40	348.12	23.89	3.75	7.99	4.67
	508.000	347.72	342.28	13.72	33000.00	117.04	32013.16	869.80	348.60	20.63	3.84	7.58	4.65
	509.000	347.35	342.34	13.35	33000.00	1163.49	31709.77	126.74	348.29	22.80	5.20	7.86	3.55
	509.000	347.89	342.34	13.89	33000.00	1196.54	31649.64	153.82	348.74	19.87	4.98	7.49	3.66
*	510.000	347.80	341.38	15.80	33000.00	186.01	32469.48	344.52	348.40	10.39	2.97	6.25	3.08
*	510.000	348.29	341.38	16.29	33000.00	209.96	32400.46	389.57	348.84	9.07	2.96	6.00	3.05
*	515.000	348.42	337.03	16.42	33000.00	8886.74	23512.01	601.25	348.53	1.37	2.39	2.80	2.23
*	515.000	348.83	337.00	16.83	33000.00	6962.38	26037.62	.00	348.97	1.66	2.67	3.07	.00
	520.000	348.44	337.78	16.44	33000.00	2492.67	29358.12	1149.22	348.64	1.52	2.43	3.70	1.88
	520.000	348.87	337.78	16.87	33000.00	2593.67	30177.73	228.60	349.07	1.46	2.42	3.70	1.81
*	530.000	348.41	340.61	14.41	33000.00	1398.17	26600.70	5001.13	348.85	3.72	2.90	5.66	3.41
*	530.000	348.85	340.59	14.85	33000.00	818.65	27098.52	5082.84	349.28	3.50	3.30	5.60	3.44
	535.000	348.39	341.37	14.39	33000.00	476.07	28410.97	4112.96	349.04	5.60	3.10	6.80	3.79
	535.000	348.83	341.33	14.83	33000.00	.00	28604.38	4395.62	349.46	5.60	.00	6.64	3.98
	540.000	348.69	340.63	14.69	33000.00	1372.16	30075.16	1552.68	349.22	4.31	3.42	6.05	3.12
	540.000	349.07	340.65	15.07	33000.00	6.66	31319.34	1674.00	349.63	4.29	.64	6.14	3.19
	550.000	348.98	341.72	14.98	33000.00	4054.10	25198.65	3747.25	349.52	4.86	3.65	6.51	2.98
	550.000	349.38	341.72	15.38	33000.00	3316.29	25676.34	4007.38	349.93	4.61	4.20	6.45	3.01
	560.000	349.45	341.20	15.45	33000.00	1970.76	21017.56	10011.67	349.77	3.15	2.57	5.26	3.17
	560.000	349.85	341.16	15.85	33000.00	1939.06	21052.80	10008.14	350.16	2.90	2.59	5.13	3.13
	562.000	349.60	341.04	15.60	33000.00	2589.02	15894.87	14516.11	349.86	2.82	2.42	5.02	3.22
	562.000	350.00	341.05	16.00	33000.00	2621.88	15795.64	14582.48	350.25	2.56	2.39	4.86	3.14
	564.000	349.70	340.80	15.70	33000.00	3755.96	19117.78	10126.26	349.93	2.68	2.46	4.42	3.04
	564.000	350.09	340.80	16.09	33000.00	3738.71	19022.62	10238.67	350.31	2.44	2.42	4.29	2.97
	566.000	349.52	341.86	15.52	33000.00	1542.75	29141.65	2315.60	350.15	4.91	1.60	6.71	2.25
	566.000	349.92	341.86	15.92	33000.00	1524.84	29076.86	2398.29	350.51	4.49	1.62	6.53	2.20
	570.000	349.31	343.61	15.31	33000.00	1677.38	28598.57	2724.04	350.50	9.45	2.02	9.34	3.12
	570.000	349.72	343.61	15.72	33000.00	1747.52	28453.58	2798.90	350.83	8.56	1.99	9.05	3.07
	572.000	349.70	342.60	15.70	33000.00	1798.57	29349.34	1852.09	350.68	7.32	2.39	8.37	2.80
	572.000	350.07	342.59	16.07	33000.00	1820.65	29285.90	1893.45	350.99	6.75	2.33	8.16	2.77
	574.000	350.20	341.31	16.20	33000.00	598.50	31154.26	1247.24	350.82	4.24	1.65	6.50	2.38
	574.000	350.53	341.31	16.53	33000.00	610.75	31153.23	1236.02	351.13	3.96	1.62	6.37	2.40

	SECNO	CWSEL	CRIWS	DEPTH	Q	QLOB	QCH	QROB	EG	10*KS	VLOB	VCH	VROB
	576.000	350.13	342.88	16.13	33000.00	618.22	28473.03	3908.75	350.98	6.41	1.87	7.90	2.95
	576.000	350.43	342.83	16.43	33000.00	644.53	28938.08	3417.39	351.29	6.22	1.88	7.88	3.01
	582.000	350.38	345.01	14.38	33000.00	1286.17	25423.21	6290.62	351.21	7.95	1.74	8.22	3.00
	582.000	350.60	344.96	14.60	33000.00	1105.73	26963.26	4931.01	351.56	8.50	1.89	8.59	3.15
	584.000	350.65	344.44	14.65	33000.00	1772.08	25150.40	6077.51	351.37	6.75	2.14	7.67	2.86
	584.000	351.05	344.44	15.05	33000.00	1801.35	25058.59	6140.06	351.73	6.12	2.08	7.43	2.82
	586.000	350.84	344.57	14.84	33000.00	2203.17	21878.94	8917.89	351.51	6.89	2.09	7.81	3.21
	586.000	351.13	344.56	15.13	33000.00	2365.26	23092.95	7541.79	351.89	7.19	2.18	8.08	3.38
*	592.000	350.70	346.18	14.70	33000.00	1906.51	23721.27	7372.22	352.10	14.17	3.00	10.90	4.36
*	592.000	350.95	346.29	14.95	33000.00	2033.74	24966.11	6000.15	352.51	14.79	3.12	11.27	4.46
*	594.000	351.08	351.08	11.08	33000.00	3208.40	25564.98	4226.62	355.39	748.87	18.16	15.87	19.75
*	594.000	351.02	351.02	11.02	33000.00	3189.09	25617.41	4193.50	355.39	767.82	18.32	16.00	19.93
*	600.000	358.03	351.56	16.03	33000.00	8333.43	23386.94	1279.63	358.99	102.56	8.68	7.49	8.98
*	600.000	358.05	351.56	16.05	33000.00	8351.96	23397.12	1250.92	359.01	102.17	8.68	7.49	9.15
*	610.000	360.64	349.98	18.64	33000.00	2136.44	29761.13	1102.43	361.11	46.26	5.32	5.51	6.18
*	610.000	360.66	349.98	18.66	33000.00	1861.04	30032.88	1106.08	361.15	46.88	5.56	5.55	6.20
	620.000	362.65	352.26	18.65	33000.00	.00	33000.00	.00	363.07	52.71	.00	5.17	.00
	620.000	362.65	352.26	18.65	33000.00	.00	33000.00	.00	363.08	50.87	.00	5.24	.00
	630.000	363.81	352.78	19.81	33000.00	4241.48	26310.74	2447.78	364.26	38.49	5.17	5.18	6.96
	630.000	363.82	352.78	19.82	33000.00	3561.56	26948.95	2489.49	364.29	40.36	5.72	5.31	7.18
*	640.000	365.40	358.29	19.40	33000.00	2646.47	26312.97	4040.57	366.87	137.11	9.82	9.77	9.25
*	640.000	365.44	358.29	19.44	33000.00	2782.01	27559.18	2658.80	367.09	149.45	10.28	10.22	11.10

PROFILE 1 - 100 YEAR FLO

SUMMARY PRINTOUT

	SECNO	STCHL	XLBEL	STCHR	RBEL	K*XNL	K*XNCH	K*XNR	XLCH	K*CHSL	AREA	CASE	QLOSS
*	100.000	340.80	280.00	600.70	280.00	80.00	180.00	80.00	.00	.00	2270.67	1.00	.00
	100.000	340.80	280.00	600.70	100000.00	80.00	180.00	.00	.00	.00	2528.03	.00	.00
*	110.000	339.70	280.00	600.30	280.00	80.00	180.00	80.00	45.00	88.89	3485.00	16384.00	.25
*	110.000	339.70	280.00	600.30	280.00	80.00	180.00	80.00	45.00	88.89	3355.47	16384.00	.15
*	120.000	354.50	280.00	602.50	280.00	80.00	180.00	80.00	55.00	.00	4407.42	16384.00	.07
*	120.000	354.50	280.00	602.50	280.00	80.00	180.00	80.00	55.00	.00	4367.38	16384.00	.08
*	130.000	353.00	280.00	583.50	280.00	80.00	180.00	80.00	520.00	3.85	6433.12	16384.00	.06
*	130.000	353.00	280.00	583.50	280.00	80.00	180.00	80.00	520.00	3.85	6049.40	16384.00	.05
	140.000	242.60	284.00	482.40	284.00	80.00	180.00	80.00	555.00	.00	6746.41	.00	.03
	140.000	242.60	284.00	482.40	284.00	80.00	180.00	80.00	555.00	.00	6659.11	.00	.05
*	150.000	273.60	290.00	738.10	290.00	80.00	160.00	35.00	580.00	6.90	13822.98	16384.00	.10
*	150.000	273.60	290.00	738.10	290.00	80.00	160.00	35.00	580.00	6.90	14196.64	16384.00	.11
*	160.000	1331.10	292.00	1412.30	290.00	72.37	80.00	55.76	670.00	2.99	16243.45	16384.00	.03
*	160.000	1331.10	292.00	1412.30	290.00	73.05	80.00	52.98	670.00	2.99	16674.58	16384.00	.03
*	170.000	1483.20	292.00	1544.10	290.00	60.26	80.00	55.54	320.00	.00	20496.13	16384.00	.00
*	170.000	1483.20	292.00	1544.10	290.00	60.38	80.00	55.20	320.00	.00	21190.08	16384.00	.00
*	180.000	1530.00	292.00	1759.00	290.00	37.84	80.00	40.00	550.00	7.27	19908.83	16384.00	.00
*	180.000	1530.00	292.00	1759.00	290.00	37.95	80.00	40.00	550.00	7.27	20537.65	16384.00	.00
*	190.000	1576.30	296.00	1809.70	290.00	30.73	80.00	70.83	505.00	.00	22162.51	16384.00	.00
*	190.000	1576.30	296.00	1809.70	290.00	30.76	80.00	67.18	505.00	.00	22814.08	16384.00	.00
*	200.000	1439.70	296.00	1562.70	294.00	120.01	125.00	41.50	740.00	.00	23034.49	16384.00	.00
*	200.000	1439.70	296.00	1562.70	294.00	119.93	125.00	41.55	740.00	.00	23760.34	16384.00	.00
	209.000	1233.40	298.00	1479.20	294.00	123.88	125.00	40.00	390.00	.00	21271.48	.00	.00
	209.000	1233.40	298.00	1479.20	294.00	123.64	125.00	40.00	390.00	.00	21631.56	.00	.00
*	210.000	1233.40	298.00	1479.20	294.00	120.04	125.00	40.00	10.00	.00	13560.37	16384.00	.05
*	210.000	1233.40	298.00	1479.20	294.00	119.39	125.00	40.00	10.00	.00	13941.53	16384.00	.05
*	211.000	1233.40	298.00	1479.20	294.00	123.83	125.00	40.00	10.00	.00	21413.29	16384.00	.02
*	211.000	1233.40	298.00	1479.20	294.00	123.60	125.00	40.00	10.00	.00	21753.89	16384.00	.02
	220.000	745.80	292.00	1065.00	292.00	40.00	200.00	40.00	810.00	2.47	15503.41	.00	.02
	220.000	745.80	292.00	1065.00	292.00	40.00	200.00	40.00	810.00	2.47	15996.27	.00	.02
	230.000	941.10	292.00	1142.70	292.00	40.00	200.00	40.00	490.00	.00	11989.84	.00	.02
	230.000	941.10	292.00	1142.70	292.00	40.00	200.00	40.00	490.00	.00	12128.45	.00	.03

	SECNO	STCHL	XLBEL	STCHR	RBEL	K*XNL	K*XNCH	K*XNR	XLCH	K*CHSL	AREA	CASE	OLOSS
*	239.000	2398.50	294.00	2724.40	294.00	40.00	200.00	40.00	420.00	4.76	7541.34	16384.00	.20
*	239.000	2398.50	294.00	2724.40	294.00	40.00	200.00	40.00	420.00	4.76	7809.41	16384.00	.18
*	240.000	2519.30	306.00	3031.90	310.00	40.00	200.00	.00	230.00	.00	7398.30	16384.00	.05
*	240.000	2519.30	306.00	3031.90	100000.00	40.00	200.00	.00	230.00	.00	7499.48	16384.00	.04
*	242.000	2519.30	306.00	3031.90	310.00	30.00	40.00	.00	10.00	.00	6807.71	16384.00	.04
*	242.000	2519.30	306.00	3031.90	100000.00	30.00	40.00	.00	10.00	.00	6898.79	16384.00	.04
	243.000	2480.00	313.00	3001.90	300.00	.00	40.00	30.00	65.00	.00	6837.39	.00	.00
	243.000	2480.00	100000.00	3001.90	300.00	.00	40.00	30.00	65.00	.00	6927.12	.00	.00
*	244.000	2550.50	310.00	3075.60	310.00	.00	140.00	.00	10.00	.00	7352.05	16384.00	.01
*	244.000	2550.50	100000.00	3075.60	100000.00	.00	140.00	.00	10.00	.00	7452.47	16384.00	.01
*	245.000	928.40	292.00	1396.30	292.00	40.00	140.00	55.00	165.00	.00	11938.60	16384.00	.01
*	245.000	928.40	292.00	1396.30	292.00	40.00	140.00	55.00	165.00	.00	10588.11	16384.00	.01
	250.000	2566.70	294.00	2740.60	294.00	46.03	140.00	67.88	740.00	.00	13195.33	.00	.01
	250.000	2566.70	294.00	2740.60	294.00	45.95	140.00	72.66	740.00	.00	11514.23	.00	.02
*	260.000	2375.20	300.00	2544.60	300.00	140.00	140.00	55.00	1025.00	3.90	5930.35	16384.00	.20
*	260.000	2375.20	300.00	2544.60	300.00	140.00	140.00	55.00	1025.00	3.90	6272.79	16384.00	.16
*	270.000	2509.50	300.00	2678.60	304.00	105.30	140.00	55.00	965.00	4.15	8073.67	16384.00	.03
	270.000	2509.50	300.00	2678.60	304.00	113.88	140.00	55.00	965.00	4.15	7570.89	.00	.02
*	280.000	958.00	306.00	1060.00	306.00	131.07	140.00	62.51	1040.00	1.92	14143.55	16384.00	.04
*	280.000	958.00	306.00	1060.00	306.00	140.00	140.00	63.51	1040.00	1.92	13483.14	16384.00	.04
	285.000	706.60	306.00	792.20	310.00	60.00	140.00	55.00	670.00	2.99	12920.96	.00	.00
	285.000	706.60	306.00	792.20	310.00	60.00	140.00	55.00	670.00	2.99	13175.97	.00	.00
	290.000	2655.10	308.00	2758.90	310.00	40.00	140.00	55.00	645.00	.00	11640.95	.00	.01
	290.000	2655.10	308.00	2758.90	310.00	40.00	140.00	55.00	645.00	.00	11397.57	.00	.01
*	300.000	2536.20	312.00	2708.70	314.00	40.00	140.00	55.29	660.00	6.06	9019.29	16384.00	.04
*	300.000	2536.20	100000.00	2708.70	314.00	.00	140.00	55.32	660.00	6.06	8993.39	16384.00	.04
*	310.000	2698.40	314.00	2822.30	316.00	40.00	140.00	55.00	610.00	3.28	11103.05	16384.00	.01
	310.000	2698.40	314.00	2822.30	316.00	40.00	140.00	55.00	610.00	3.28	9717.33	.00	.01
*	320.000	988.70	316.00	1300.00	312.00	40.00	140.00	55.00	750.00	2.67	6830.29	16384.00	.10
*	320.000	988.70	100000.00	1300.00	312.00	.00	140.00	55.00	750.00	2.67	6901.83	16384.00	.08
*	330.000	1760.00	314.00	1917.00	314.00	60.00	85.00	60.00	780.00	2.56	7846.14	16384.00	.02
*	330.000	1760.00	314.00	1917.00	314.00	60.00	85.00	60.00	780.00	2.56	7833.72	16384.00	.02
	340.000	1410.00	320.00	1843.20	318.00	60.00	85.00	60.00	505.00	-3.96	8568.31	.00	.01
	340.000	1410.00	320.00	1843.20	318.00	60.00	85.00	60.00	505.00	-3.96	8831.93	.00	.01

	SECNO	STCHL	XLBEL	STCHR	RBEL	K*XNL	K*XNCH	K*XNR	XLCH	K*CHSL	AREA	CASE	OLOSS
	345.000	1509.80	322.00	1995.50	324.00	60.00	85.00	60.00	280.00	7.14	7679.19	.00	.02
	345.000	1509.80	322.00	1995.50	324.00	60.00	85.00	60.00	280.00	7.14	7569.09	.00	.03
	355.000	1731.40	322.00	2253.80	322.00	60.00	85.00	60.00	285.00	7.02	6936.99	.00	.04
	355.000	1731.40	322.00	2253.80	322.00	60.00	85.00	60.00	285.00	7.02	6717.21	.00	.04
	356.000	1836.00	316.00	2258.20	320.00	60.00	85.00	60.00	250.00	8.00	5280.17	.00	.17
	356.000	1836.00	316.00	2258.20	320.00	60.00	85.00	60.00	250.00	8.00	4872.24	.00	.22
*	358.000	1836.00	316.00	2278.40	326.00	60.00	40.00	30.00	65.00	.00	5083.09	16384.00	.00
*	358.000	1836.00	316.00	2278.40	326.00	60.00	40.00	30.00	65.00	.00	4810.02	16384.00	.00
	360.000	2187.00	320.00	2382.90	320.00	60.00	85.00	85.00	345.00	.00	9067.42	.00	.22
	360.000	2187.00	320.00	2382.90	320.00	60.00	85.00	85.00	345.00	.00	8648.15	.00	.22
	370.000	2234.10	320.00	2326.40	320.00	60.00	85.00	85.00	345.00	5.80	11149.82	.00	.01
	370.000	2234.10	320.00	2326.40	320.00	60.00	85.00	85.00	345.00	5.80	9642.93	.00	.01
	380.000	2380.90	320.00	2436.40	320.00	60.00	85.00	85.00	320.00	.00	10982.48	.00	.00
	380.000	2380.90	320.00	2436.40	320.00	60.00	85.00	85.00	320.00	.00	9114.46	.00	.01
	390.000	2250.00	324.00	2402.00	324.00	60.00	85.00	85.00	520.00	.00	8443.70	.00	.04
	390.000	2250.00	324.00	2402.00	324.00	60.00	85.00	85.00	520.00	.00	7687.93	.00	.04
*	400.000	1877.60	320.00	2531.60	320.00	40.00	75.00	40.00	540.00	.00	9676.70	16384.00	.01
*	400.000	1877.60	320.00	2531.60	320.00	40.00	75.00	40.00	540.00	.00	9617.54	16384.00	.02
	410.000	3065.30	320.00	3645.90	320.00	40.00	65.00	40.00	700.00	.00	8775.97	.00	.01
	410.000	3065.30	320.00	3645.90	320.00	40.00	65.00	40.00	700.00	.00	9124.56	.00	.01
	415.000	3252.30	320.00	3865.00	320.00	40.00	65.00	40.00	780.00	.00	9696.69	.00	.00
	415.000	3252.30	320.00	3865.00	320.00	40.00	65.00	40.00	780.00	.00	9980.74	.00	.00
	420.000	3467.10	320.00	3988.90	320.00	40.00	75.00	40.00	480.00	.00	8241.16	.00	.03
	420.000	3467.10	320.00	3988.90	320.00	40.00	75.00	40.00	480.00	.00	8476.13	.00	.03
*	421.000	2650.00	325.00	3049.10	328.00	40.00	50.00	40.00	375.00	16.00	3814.44	16384.00	.32
*	421.000	2650.00	325.00	3049.10	328.00	40.00	50.00	40.00	375.00	16.00	3958.92	16384.00	.30
	422.000	2645.00	326.00	3044.70	326.00	40.00	30.00	40.00	10.00	.00	2956.70	.00	.48
	422.000	2645.00	326.00	3044.70	326.00	40.00	30.00	40.00	10.00	.00	3088.82	.00	.43
	423.000	4645.00	326.00	5044.70	326.00	40.00	30.00	40.00	65.00	.00	3284.33	.00	.13
	423.000	4645.00	326.00	5044.70	326.00	40.00	30.00	40.00	65.00	.00	3350.80	.00	.10
	424.000	4658.90	326.00	5055.00	326.00	50.00	50.00	50.00	10.00	200.00	3370.19	.00	.03
	424.000	4658.90	326.00	5055.00	326.00	50.00	50.00	50.00	10.00	200.00	3461.79	.00	.04
*	425.000	4805.90	328.00	5113.20	328.00	45.00	75.00	45.00	225.00	.00	7818.00	16384.00	.43
*	425.000	4805.90	328.00	5113.20	328.00	45.00	75.00	45.00	225.00	.00	6892.64	16384.00	.38

	SECNO	STCHL	XLBEL	STCHR	RBEL	K*XNL	K*XNCH	K*XNR	XLCH	K*CHSL	AREA	CASE	OLOSS
	430.000	5520.60	328.00	5704.90	328.00	45.00	75.00	45.00	470.00	.00	5852.14	.00	.10
*	430.000	5520.60	328.00	5704.90	328.00	45.00	75.00	45.00	470.00	.00	5181.80	16384.00	.12
	440.000	5118.70	330.00	5291.80	330.00	45.00	75.00	45.00	545.00	3.67	5988.55	.00	.02
	440.000	5118.70	330.00	5291.80	330.00	45.00	75.00	45.00	545.00	3.67	6472.79	.00	.04
*	450.000	4864.80	330.00	5377.90	330.00	55.00	30.00	55.00	530.00	.00	9238.83	16384.00	.02
*	450.000	4864.80	330.00	5377.90	330.00	55.00	30.00	55.00	530.00	.00	9640.58	16384.00	.02
	460.000	4626.20	330.00	5331.20	330.00	55.00	30.00	55.00	440.00	.00	10626.22	.00	.01
	460.000	4626.20	330.00	5331.20	330.00	55.00	30.00	55.00	440.00	.00	10400.48	.00	.01
*	470.000	5002.10	330.00	5145.90	330.00	45.00	70.00	45.00	480.00	.00	6068.46	16384.00	.09
*	470.000	5002.10	330.00	5145.90	100000.00	45.00	70.00	.00	480.00	.00	5756.25	16384.00	.11
*	480.000	3872.70	340.00	4124.90	340.00	45.00	70.00	45.00	280.00	7.14	2297.46	16384.00	.87
*	480.000	3872.70	340.00	4124.90	340.00	45.00	70.00	45.00	280.00	7.14	2461.20	16384.00	.73
*	483.000	3854.90	340.00	4098.10	340.00	45.00	70.00	45.00	100.00	.00	4241.46	16384.00	.22
*	483.000	3854.90	340.00	4098.10	340.00	45.00	70.00	45.00	100.00	.00	3565.17	16384.00	.13
	484.000	3795.20	342.00	4061.40	342.00	45.00	70.00	45.00	115.00	.00	4953.61	.00	.04
	484.000	3795.20	342.00	4061.40	342.00	45.00	70.00	45.00	115.00	.00	4387.88	.00	.06
*	485.000	3795.20	342.00	4061.40	342.00	45.00	70.00	45.00	10.00	1000.00	3556.03	4097.00	.18
*	485.000	3795.20	342.00	4061.40	342.00	45.00	70.00	45.00	10.00	1000.00	3275.32	4097.00	.20
*	486.000	3795.20	342.00	4061.40	342.00	45.00	70.00	45.00	10.00	-1000.00	6034.33	16384.00	.09
*	486.000	3795.20	342.00	4061.40	342.00	45.00	70.00	45.00	10.00	-1000.00	5715.79	16384.00	.11
	490.000	3797.70	336.00	3905.40	336.00	40.00	70.00	75.00	175.00	.00	6468.69	.00	.00
*	490.000	3797.70	336.00	3905.40	336.00	40.00	70.00	75.00	175.00	.00	6859.13	16384.00	.02
*	500.000	3766.70	334.00	4005.40	334.00	30.00	40.00	30.00	510.00	.00	8014.17	16384.00	.02
*	500.000	3766.70	334.00	4005.40	334.00	30.00	40.00	30.00	510.00	.00	8118.29	16384.00	.01
*	507.000	3860.70	342.00	4289.50	342.00	40.00	40.00	40.00	470.00	8.51	5133.46	16384.00	.11
*	507.000	3860.70	342.00	4289.50	342.00	40.00	40.00	40.00	470.00	8.51	5402.00	16384.00	.09
	508.000	3860.70	342.00	4289.50	342.00	40.00	30.00	40.00	10.00	.00	4211.65	.00	.16
	508.000	3860.70	342.00	4289.50	342.00	40.00	30.00	40.00	10.00	.00	4438.54	.00	.14
	509.000	3889.40	336.00	4322.40	342.00	40.00	30.00	40.00	65.00	.00	4291.92	.00	.01
	509.000	3889.40	336.00	4322.40	342.00	40.00	30.00	40.00	65.00	.00	4506.62	.00	.01
*	510.000	3885.30	342.00	4317.20	341.00	40.00	40.00	40.00	10.00	-200.00	5366.36	16384.00	.10
*	510.000	3885.30	342.00	4317.20	341.00	40.00	40.00	40.00	10.00	-200.00	5600.53	16384.00	.09
*	515.000	3935.00	334.00	4447.80	334.00	40.00	40.00	40.00	275.00	.00	12376.13	16384.00	.05
*	515.000	3935.00	334.00	4447.80	100000.00	40.00	40.00	.00	275.00	.00	11093.29	16384.00	.04

	SECNO	STCHL	XLBEL	STCHR	RBEL	K*XNL	K*XNCH	K*XNR	XLCH	K*CHSL	AREA	CASE	OLOSS
	520.000	4347.80	334.00	4855.30	334.00	40.02	30.93	40.00	560.00	.00	9577.67	.00	.03
	520.000	4347.80	334.00	4855.30	334.00	40.07	30.93	40.00	560.00	.00	9358.79	.00	.02
*	530.000	4190.20	334.00	4516.30	334.00	40.00	30.00	40.00	620.00	3.23	6648.34	16384.00	.07
*	530.000	4190.20	334.00	4516.30	334.00	40.00	30.00	40.00	620.00	3.23	6565.88	16384.00	.07
	535.000	2119.80	336.00	2411.10	336.00	40.00	30.50	40.00	280.00	.00	5416.57	.00	.06
	535.000	2119.80	100000.00	2411.10	336.00	.00	30.92	40.00	280.00	.00	5409.21	.00	.06
	540.000	2055.80	336.00	2395.10	336.00	40.00	30.48	40.00	350.00	.00	5866.75	.00	.01
	540.000	2055.80	336.00	2395.10	336.00	40.00	30.48	40.00	350.00	.00	5633.33	.00	.01
	550.000	1894.00	336.00	2153.30	336.00	40.00	30.47	40.00	650.00	.00	6243.40	.00	.00
	550.000	1894.00	336.00	2153.30	336.00	40.00	30.47	40.00	650.00	.00	6100.74	.00	.00
	560.000	1638.20	336.00	1898.10	336.00	50.00	30.98	40.00	600.00	.00	7918.90	.00	.02
	560.000	1638.20	336.00	1898.10	336.00	50.00	30.98	40.00	600.00	.00	8045.65	.00	.02
	562.000	1181.40	336.00	1385.00	336.00	50.00	30.85	40.00	280.00	.00	8742.03	.00	.01
	562.000	1181.40	336.00	1385.00	336.00	50.00	30.85	40.00	280.00	.00	8989.54	.00	.01
	564.000	1053.10	336.00	1332.20	336.00	50.00	34.17	40.00	220.00	.00	9179.32	.00	.00
	564.000	1053.10	336.00	1332.20	336.00	50.00	34.17	40.00	220.00	.00	9425.66	.00	.00
	566.000	971.90	338.00	1257.50	338.00	85.00	30.00	60.00	280.00	.00	6337.23	.00	.12
	566.000	971.90	338.00	1257.50	338.00	85.00	30.00	60.00	280.00	.00	6486.44	.00	.11
	570.000	1642.70	336.00	1843.30	336.00	85.00	30.00	60.00	280.00	.00	4763.88	.00	.17
	570.000	1642.70	336.00	1843.30	336.00	85.00	30.00	60.00	280.00	.00	4932.76	.00	.16
	572.000	832.00	336.00	1056.10	336.00	85.00	30.00	60.00	187.00	.00	4922.93	.00	.02
	572.000	832.00	336.00	1056.10	336.00	85.00	30.00	60.00	187.00	.00	5054.83	.00	.02
	574.000	747.50	336.00	1043.60	336.00	85.00	30.00	60.00	200.00	.00	5678.38	.00	.04
	574.000	747.50	336.00	1043.60	336.00	85.00	30.00	60.00	200.00	.00	5780.31	.00	.03
	576.000	733.40	338.00	959.30	338.00	85.00	30.00	60.00	170.00	.00	5257.62	.00	.07
	576.000	733.40	338.00	959.30	338.00	85.00	30.00	60.00	170.00	.00	5151.20	.00	.08
	582.000	698.20	338.00	914.10	338.00	85.00	30.00	60.00	330.00	6.06	5929.95	.00	.00
	582.000	698.20	338.00	914.10	338.00	85.00	30.00	60.00	330.00	6.06	5291.58	.00	.03
	584.000	632.70	338.00	857.90	338.00	85.00	30.00	60.00	200.00	.00	6231.78	.00	.01
	584.000	632.70	338.00	857.90	338.00	85.00	30.00	60.00	200.00	.00	6414.89	.00	.03
	586.000	582.70	338.00	772.70	338.00	85.00	30.00	60.00	205.00	.00	6630.41	.00	.00
	586.000	582.70	338.00	772.70	338.00	85.00	30.00	60.00	205.00	.00	6176.09	.00	.02
*	592.000	443.90	338.00	597.60	338.00	85.00	30.00	60.00	380.00	.00	4502.42	16384.00	.22
*	592.000	443.90	338.00	597.60	338.00	85.00	30.00	60.00	380.00	.00	4213.12	16384.00	.24

	SECNO	STCHL	XLBEL	STCHR	RBEL	K*XNL	K*XNCH	K*XNR	XLCH	K*CHSL	AREA	CASE	OLOSS
*	594.000	630.70	342.00	779.90	342.00	75.00	125.00	65.00	230.00	17.39	2001.72	4097.00	.87
*	594.000	630.70	342.00	779.90	342.00	75.00	125.00	65.00	230.00	17.39	1985.56	4097.00	.84
*	600.000	778.90	346.00	979.10	346.00	75.00	125.00	65.00	150.00	13.33	4223.26	16384.00	.33
*	600.000	778.90	346.00	979.10	346.00	75.00	125.00	65.00	150.00	13.33	4223.95	16384.00	.34
*	610.000	319.90	346.00	622.80	346.00	75.00	125.00	65.00	315.00	.00	5979.75	16384.00	.05
*	610.000	319.90	346.00	622.80	346.00	75.00	125.00	65.00	315.00	.00	5920.87	16384.00	.05
	620.000	299.20	364.00	732.00	364.00	.00	125.00	.00	395.00	5.06	6383.08	.00	.01
	620.000	299.20	100000.00	732.00	100000.00	.00	125.00	.00	395.00	5.06	6302.28	.00	.01
	630.000	445.60	348.00	718.00	348.00	75.00	125.00	65.00	265.00	.00	6248.91	.00	.01
	630.000	445.60	348.00	718.00	348.00	75.00	125.00	65.00	265.00	.00	6047.08	.00	.01
*	640.000	433.90	350.00	577.60	350.00	75.00	125.00	65.00	350.00	5.71	3398.64	16384.00	.31
*	640.000	433.90	350.00	577.60	350.00	75.00	125.00	65.00	350.00	5.71	3207.50	16384.00	.35

PROFILE 1 - 100 YEAR FLO

SUMMARY PRINTOUT

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
*	100.000	267.60	333.74	601.34	4.35	.00	.00	.01	.00
	100.000	260.00	340.00	600.00	3.51	.00	.00	1.00	.00
*	110.000	316.99	299.50	616.49	1.89	4.71	7.42	.00	1.98
*	110.000	300.00	310.00	610.00	2.04	4.46	6.07	-.35	1.56
*	120.000	352.03	298.56	650.59	1.20	2.09	2.85	.00	1.50
*	120.000	340.00	310.00	650.00	1.23	2.22	3.11	-.08	1.57
*	130.000	477.59	205.48	683.07	.62	6.53	7.17	.00	1.90
*	130.000	353.00	330.00	683.00	.71	7.09	7.65	.40	1.82
	140.000	395.33	159.51	554.85	.53	3.80	3.92	.00	1.07
	140.000	330.00	215.00	545.00	.55	3.94	4.15	.63	1.15
*	150.000	976.14	193.86	1170.00	.19	1.07	1.52	.00	2.70
*	150.000	955.00	245.00	1200.00	.18	.96	1.45	.56	2.85
*	160.000	1351.05	371.95	1792.62	.09	.41	.53	.00	1.59
*	160.000	1313.47	415.00	1794.30	.08	.37	.49	.51	1.54
*	170.000	1634.62	353.98	1988.60	.05	.08	.11	.00	1.41
*	170.000	1580.00	410.00	1990.00	.05	.07	.11	.51	1.44
*	180.000	1478.97	483.05	1962.02	.07	.06	.05	.00	1.46
*	180.000	1455.00	485.00	1940.00	.06	.06	.05	.50	1.44
*	190.000	1446.03	448.27	1894.30	.05	.03	.04	.00	1.49
*	190.000	1433.19	470.00	1903.19	.05	.02	.03	.50	1.48
*	200.000	1650.98	330.71	1981.69	.06	.06	.06	.00	.34
*	200.000	1605.00	370.00	1975.00	.05	.05	.05	.49	.35
	209.000	1918.02	378.58	2296.59	.06	.14	.14	.00	.90
	209.000	1700.00	400.00	2100.00	.06	.13	.12	.47	.90
*	210.000	1912.23	379.86	2292.09	.22	.01	-.10	.00	.59
*	210.000	1700.00	400.00	2100.00	.22	.01	-.10	.47	.60
*	211.000	1922.28	377.63	2299.92	.06	.01	.17	.00	1.71
*	211.000	1700.00	400.00	2100.00	.06	.01	.17	.47	1.68
	220.000	1684.15	453.27	2137.42	.14	.32	.26	.00	.96
	220.000	1585.00	515.00	2100.00	.13	.28	.23	.44	.98
	230.000	1225.00	825.00	2050.00	.22	.24	.19	.00	.85
	230.000	1175.00	825.00	2000.00	.21	.22	.16	.41	.82

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
*	239.000	670.00	2370.00	3040.00	.87	.52	.06	.00	.39
*	239.000	670.00	2370.00	3040.00	.82	.47	.05	.40	.40
*	240.000	493.99	2517.24	3011.23	.41	1.52	2.03	.00	.54
*	240.000	494.00	2517.00	3011.00	.40	1.37	1.83	.20	.51
*	242.000	493.85	2517.27	3011.12	.48	.02	-.01	.00	3.75
*	242.000	492.00	2518.00	3010.00	.47	.02	-.01	.20	3.74
	243.000	494.44	2517.13	3011.57	.48	.06	.07	.00	1.01
	243.000	492.00	2518.00	3010.00	.47	.06	.06	.20	1.01
*	244.000	510.84	2559.70	3070.54	.41	.02	.09	.00	.37
*	244.000	510.00	2560.00	3070.00	.40	.02	.09	.20	.37
*	245.000	857.36	657.64	1515.00	.29	.35	.48	.00	2.73
*	245.000	650.00	760.00	1410.00	.44	.42	.39	.11	2.32
	250.000	1193.16	2344.02	3537.17	.14	.62	.78	.00	1.12
	250.000	910.00	2400.00	3310.00	.20	.82	1.09	.42	1.10
*	260.000	678.32	2326.63	3004.95	.82	1.59	1.12	.00	.38
*	260.000	610.00	2340.00	2950.00	.74	1.83	1.45	.76	.50
*	270.000	1073.31	2043.91	3117.22	.51	3.07	3.41	.00	1.47
	270.000	720.00	2270.00	2990.00	.58	2.81	2.98	.33	1.30
*	280.000	1526.23	496.37	2022.59	.14	1.34	1.74	.00	1.63
*	280.000	1330.00	560.00	1890.00	.16	1.41	1.88	.46	1.58
	285.000	1709.02	404.11	2113.13	.14	.53	.53	.00	1.07
	285.000	1490.00	525.00	2015.00	.13	.51	.54	.46	1.20
	290.000	1774.24	2326.69	4154.67	.17	.57	.55	.00	.82
	290.000	1544.09	2560.00	4154.00	.18	.52	.49	.40	.77
*	300.000	1605.71	2340.00	4014.77	.29	1.03	.94	.00	.68
*	300.000	1410.53	2540.00	4014.00	.30	.99	.90	.37	.70
*	310.000	1743.70	2470.34	4214.04	.19	.96	1.08	.00	1.42
	310.000	1350.00	2650.00	4000.00	.25	1.07	1.13	.42	1.21
*	320.000	1322.48	950.00	2272.48	.53	1.98	1.74	.00	.39
*	320.000	1120.00	1030.00	2150.00	.53	2.20	2.00	.67	.49
*	330.000	949.66	1330.08	2279.74	.33	2.93	3.14	.00	1.78
*	330.000	880.00	1370.00	2250.00	.33	2.60	2.81	.34	1.63
	340.000	958.29	1221.71	2180.00	.28	1.14	1.19	.00	1.03
	340.000	960.00	1220.00	2180.00	.27	1.05	1.13	.27	1.05

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
	345.000	1060.00	1210.00	2270.00	.35	.74	.69	.00	.81
	345.000	970.00	1300.00	2270.00	.36	.69	.63	.20	.78
	355.000	1000.00	1370.00	2370.00	.42	1.13	1.09	.00	.82
	355.000	870.00	1500.00	2370.00	.45	1.11	1.07	.18	.81
	356.000	941.47	1340.00	2281.47	.76	1.63	1.46	.00	.73
	356.000	762.01	1520.00	2282.01	.88	1.68	1.46	.19	.71
*	358.000	940.81	1340.00	2280.81	1.00	.00	-.24	.00	1.82
*	358.000	771.59	1510.00	2281.59	1.03	.00	-.15	.28	1.93
	360.000	1070.00	1530.00	2600.00	.27	.68	1.63	.00	1.34
	360.000	870.00	1565.00	2435.00	.29	.66	1.62	.27	1.33
	370.000	1338.57	1470.00	2808.57	.19	.46	.55	.00	1.14
	370.000	1030.00	1470.00	2500.00	.23	.48	.54	.26	1.07
	380.000	1420.00	1540.00	2960.00	.19	.39	.39	.00	.94
	380.000	1085.00	1540.00	2625.00	.26	.46	.44	.31	.91
	390.000	1060.00	1680.00	2740.00	.32	.89	.79	.00	.75
	390.000	890.00	1730.00	2620.00	.38	1.02	.93	.45	.80
*	400.000	856.00	1749.00	2605.00	.22	.92	1.04	.00	1.45
*	400.000	765.00	1820.00	2585.00	.22	.93	1.11	.51	1.53
	410.000	745.35	2970.00	3715.35	.26	.72	.69	.00	1.06
	410.000	739.50	2970.50	3710.00	.24	.66	.65	.47	1.11
	415.000	765.00	3180.00	3945.00	.21	.66	.71	.00	1.14
	415.000	745.00	3200.00	3945.00	.20	.59	.63	.40	1.13
	420.000	654.27	3410.72	4065.00	.31	.47	.40	.00	.75
	420.000	653.50	3411.50	4065.00	.29	.42	.36	.36	.75
*	421.000	441.57	2616.05	3057.62	1.39	.89	.14	.00	.49
*	421.000	440.00	2617.00	3057.00	1.29	.80	.11	.33	.50
	422.000	440.48	2616.64	3057.11	2.35	.06	-.42	.00	.94
	422.000	440.00	2617.00	3057.00	2.15	.05	-.38	.37	.94
	423.000	442.85	4615.36	5058.21	1.91	.34	.92	.00	1.16
	423.000	442.00	4616.00	5058.00	1.83	.31	.73	.18	1.12
	424.000	450.42	4632.28	5082.69	1.79	.06	.21	.00	.73
	424.000	449.00	4633.00	5082.00	1.70	.06	.23	.20	.74
*	425.000	1029.97	4370.03	5400.00	.34	.80	2.68	.00	2.16
*	425.000	850.00	4420.00	5270.00	.44	.92	2.55	.07	1.83

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
	430.000	1173.90	4540.00	6000.00	.67	1.19	.96	.00	.70
*	430.000	1000.00	4860.00	5860.00	.85	1.57	1.28	.39	.69
	440.000	1256.15	4248.71	5504.86	.51	1.84	2.02	.00	1.02
	440.000	1055.00	4365.00	5420.00	.43	1.80	2.27	.64	1.37
*	450.000	1285.09	4214.91	5500.00	.30	.40	.63	.00	3.13
*	450.000	1035.00	4375.00	5410.00	.27	.33	.51	.52	2.93
	460.000	1395.66	4154.93	5550.59	.20	.11	.22	.00	1.27
	460.000	980.00	4380.00	5360.00	.19	.10	.18	.48	1.24
*	470.000	1312.80	3713.88	5163.76	.49	.29	.09	.00	.28
*	470.000	881.97	4125.00	5130.00	.55	.27	.02	.41	.27
*	480.000	253.48	3872.13	4125.61	3.40	1.73	-.30	.00	.32
*	480.000	255.43	3870.17	4125.60	2.97	1.61	-.08	.64	.35
*	483.000	939.37	2900.00	4211.31	1.24	1.25	3.62	.00	1.90
*	483.000	641.85	3120.00	4140.00	1.64	1.33	2.79	-.20	1.50
	484.000	1270.00	2920.00	4190.00	.81	.87	1.35	.00	.97
	484.000	1015.00	3080.00	4095.00	1.02	1.05	1.73	.19	1.00
*	485.000	1260.00	2920.00	4180.00	1.42	.13	-.19	.00	.56
*	485.000	1015.00	3080.00	4095.00	1.67	.15	.02	.40	.59
*	486.000	1260.00	2920.00	4180.00	.52	.09	1.08	.00	2.40
*	486.000	1015.00	3080.00	4095.00	.57	.09	1.30	.62	2.51
	490.000	1090.00	3030.00	4120.00	.48	.56	.59	.00	1.33
*	490.000	1020.00	3030.00	4050.00	.41	.46	.64	.66	1.51
*	500.000	910.00	3280.00	4190.00	.29	.40	.62	.00	2.45
*	500.000	875.00	3280.00	4155.00	.28	.36	.50	.54	2.18
*	507.000	487.36	3849.40	4336.76	.66	.30	.04	.00	.56
*	507.000	484.00	3851.00	4335.00	.59	.27	.05	.56	.59
	508.000	486.38	3849.86	4336.24	.97	.02	-.14	.00	.72
	508.000	482.00	3852.00	4334.00	.88	.01	-.13	.57	.71
	509.000	487.74	3849.22	4336.95	.94	.15	.20	.00	1.02
	509.000	484.00	3851.00	4335.00	.85	.13	.16	.54	1.02
*	510.000	490.72	3865.12	4355.84	.60	.01	.45	.00	1.48
*	510.000	485.00	3867.00	4352.00	.55	.01	.40	.49	1.48
*	515.000	830.00	3640.00	4470.00	.11	.08	.62	.00	2.75
*	515.000	690.00	3750.00	4440.00	.14	.09	.54	.41	2.34

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
	520.000	697.36	4240.00	4937.36	.20	.08	.02	.00	.95
	520.000	625.00	4240.00	4865.00	.20	.09	.04	.43	1.06
*	530.000	569.22	4094.10	4663.32	.43	.14	-.03	.00	.64
*	530.000	480.00	4170.00	4650.00	.43	.13	-.03	.43	.65
	535.000	471.51	2089.54	2561.04	.65	.13	-.02	.00	.81
	535.000	410.00	2120.00	2530.00	.63	.12	-.01	.44	.79
	540.000	461.29	2007.70	2468.99	.53	.17	.30	.00	1.14
	540.000	412.00	2055.00	2467.00	.56	.17	.24	.38	1.14
	550.000	600.30	1754.92	2355.22	.54	.30	.29	.00	.94
	550.000	520.00	1830.00	2350.00	.55	.29	.31	.40	.96
	560.000	660.25	1559.51	2219.76	.33	.23	.47	.00	1.24
	560.000	625.00	1575.00	2200.00	.31	.22	.47	.40	1.26
	562.000	730.39	1070.07	1800.46	.27	.08	.15	.00	1.06
	562.000	710.00	1080.00	1790.00	.25	.08	.15	.40	1.07
	564.000	750.79	905.83	1656.62	.23	.06	.10	.00	1.03
	564.000	730.00	920.00	1650.00	.22	.05	.09	.39	1.02
	566.000	559.78	847.60	1407.38	.63	.10	-.18	.00	.74
	566.000	535.00	870.00	1405.00	.59	.09	-.17	.40	.74
	570.000	444.72	1523.54	1968.26	1.19	.19	-.21	.00	.72
	570.000	435.00	1525.00	1960.00	1.11	.17	-.20	.41	.72
	572.000	404.56	755.79	1160.35	.98	.15	.39	.00	1.14
	572.000	393.00	757.00	1150.00	.93	.14	.34	.37	1.13
	574.000	418.68	703.72	1122.40	.62	.11	.50	.00	1.31
	574.000	385.00	705.00	1090.00	.60	.10	.46	.33	1.31
	576.000	409.24	686.76	1096.00	.85	.09	-.07	.00	.81
	576.000	372.00	688.00	1060.00	.86	.08	-.10	.30	.80
	582.000	572.48	580.92	1153.40	.84	.23	.25	.00	.90
	582.000	465.00	615.00	1080.00	.96	.24	.17	.22	.85
	584.000	563.52	535.83	1099.35	.72	.15	.27	.00	1.09
	584.000	547.00	538.00	1085.00	.68	.14	.45	.40	1.18
	586.000	568.40	464.01	1032.41	.68	.14	.19	.00	.99
	586.000	495.00	465.00	960.00	.75	.14	.08	.29	.92
*	592.000	410.42	370.15	780.57	1.40	.36	-.14	.00	.70
*	592.000	349.00	371.00	720.00	1.56	.38	-.18	.25	.70

	SECNO	TOPWID	SSTA	ENDST	HV	HL	DIFWSX	DIFKWS	KRATIO
*	594.000	237.35	594.05	831.40	4.30	1.01	.39	.00	.14
*	594.000	235.00	595.00	830.00	4.37	1.05	.07	-.07	.14
*	600.000	340.85	658.13	998.97	.96	3.27	6.94	.00	2.70
*	600.000	335.00	660.00	995.00	.96	3.28	7.03	.02	2.74
*	610.000	386.69	259.33	646.02	.47	2.07	2.61	.00	1.49
*	610.000	365.00	280.00	645.00	.48	2.09	2.62	.03	1.48
	620.000	428.48	301.57	730.04	.42	1.95	2.01	.00	.94
	620.000	400.00	330.00	730.00	.43	1.93	1.99	.00	.96
	630.000	414.34	338.28	752.63	.44	1.18	1.16	.00	1.17
	630.000	370.00	380.00	750.00	.47	1.19	1.16	.00	1.12
*	640.000	282.79	400.55	683.34	1.47	2.30	1.59	.00	.53
*	640.000	199.00	401.00	600.00	1.65	2.45	1.62	.04	.52

PROFILE 1 - 100 YEAR FLO

SUMMARY PRINTOUT TABLE 110

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
*	100.000	280.55	.01	284.91	267.60	7.36	37992.07	.56	.00	.00	340.80	600.70	.00
	100.000	281.55	1.00	285.06	260.00	5.97	37994.03	.00	260.00	340.00	340.80	600.70	600.00
*	110.000	287.97	.00	289.86	316.99	2882.51	34433.88	683.61	.00	.00	339.70	600.30	.00
*	110.000	287.62	-.35	289.66	300.00	2680.68	34735.79	583.53	300.00	310.00	339.70	600.30	610.00
*	120.000	290.82	.00	292.02	352.03	3808.51	31137.15	3054.34	.00	.00	354.50	602.50	.00
*	120.000	290.74	-.08	291.97	340.00	3737.62	31235.66	3026.72	340.00	310.00	354.50	602.50	650.00
*	130.000	297.99	.00	298.61	477.59	5618.51	23527.88	8853.60	.00	.00	353.00	583.50	.00
*	130.000	298.39	.40	299.10	353.00	2399.01	25722.11	9878.88	353.00	330.00	353.00	583.50	683.00
	140.000	301.91	.00	302.44	395.33	3860.58	28377.58	5761.85	.00	.00	242.60	482.40	.00
	140.000	302.54	.63	303.10	330.00	2665.03	29260.41	6074.56	330.00	215.00	242.60	482.40	545.00
*	150.000	303.43	.00	303.62	976.14	870.98	22246.51	14882.51	1061.50	108.50	273.60	738.10	1170.00
*	150.000	303.99	.56	304.17	955.00	475.86	21623.91	15900.24	955.00	245.00	273.60	738.10	1200.00
*	160.000	303.97	.00	304.05	1351.05	33311.62	3778.80	909.58	.00	.00	1331.10	1412.30	.00
*	160.000	304.48	.51	304.56	1313.47	33042.74	3788.47	1168.79	1445.00	415.00	1331.10	1412.30	1860.00
*	170.000	304.08	.00	304.13	1634.62	27876.56	1803.74	8319.70	2000.00	.00	1483.20	1544.10	2000.00
*	170.000	304.59	.51	304.64	1580.00	27690.71	1777.98	8531.31	1580.00	410.00	1483.20	1544.10	1990.00
*	180.000	304.13	.00	304.20	1478.97	32332.93	3921.19	1745.88	2000.00	.00	1530.00	1759.00	2000.00
*	180.000	304.63	.50	304.69	1455.00	32330.47	3919.01	1750.52	1455.00	485.00	1530.00	1759.00	1940.00
*	190.000	304.17	.00	304.23	1446.03	35057.10	2848.29	94.61	.00	.00	1576.30	1809.70	.00
*	190.000	304.67	.50	304.72	1433.19	35033.61	2854.60	111.79	1450.00	470.00	1576.30	1809.70	1920.00
*	200.000	304.23	.00	304.29	1650.98	25806.00	2295.95	9898.06	.00	.00	1439.70	1562.70	.00
*	200.000	304.72	.49	304.77	1605.00	25540.55	2287.97	10171.48	1605.00	370.00	1439.70	1562.70	1975.00
	209.000	304.37	.00	304.43	1918.02	19214.92	5154.75	13630.33	.00	.00	1233.40	1479.20	.00
	209.000	304.84	.47	304.91	1700.00	19153.99	5150.53	13695.48	1700.00	400.00	1233.40	1479.20	2100.00
*	210.000	304.27	.00	304.48	1912.23	6900.28	8610.63	22489.09	.00	.00	1233.40	1479.20	.00
*	210.000	304.74	.47	304.96	1700.00	7308.99	8447.90	22243.12	1700.00	400.00	1233.40	1479.20	2100.00
*	211.000	304.44	.00	304.51	1922.28	19150.20	5138.87	13710.93	.00	.00	1233.40	1479.20	.00
*	211.000	304.91	.47	304.98	1700.00	19103.19	5138.39	13758.43	1700.00	400.00	1233.40	1479.20	2100.00
	220.000	304.71	.00	304.84	1684.15	6257.56	4678.44	27064.00	.00	.00	745.80	1065.00	.00
	220.000	305.15	.44	305.28	1585.00	6056.05	4574.76	27369.20	1585.00	515.00	745.80	1065.00	2100.00
	230.000	304.89	.00	305.11	1225.00	2673.15	3499.23	31827.62	1225.00	825.00	941.10	1142.70	2050.00
	230.000	305.30	.41	305.52	1175.00	2808.74	3511.09	31680.16	1175.00	825.00	941.10	1142.70	2000.00

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
*	239.000	304.95	.00	305.82	670.00	2261.69	13043.76	22694.55	670.00	2370.00	2398.50	2724.40	3040.00
*	239.000	305.35	.40	306.17	670.00	2259.47	12748.31	22992.22	670.00	2370.00	2398.50	2724.40	3040.00
*	240.000	306.98	.00	307.39	493.99	2.52	37997.48	.00	.00	.00	2519.30	3031.90	.00
*	240.000	307.18	.20	307.58	494.00	4.16	37995.84	.00	494.00	2517.00	2519.30	3031.90	3011.00
*	242.000	306.97	.00	307.45	493.85	.86	37999.14	.00	.00	.00	2519.30	3031.90	.00
*	242.000	307.17	.20	307.64	492.00	1.13	37998.87	.00	492.00	2518.00	2519.30	3031.90	3010.00
	243.000	307.03	.00	307.51	494.44	.00	37980.43	19.57	.00	.00	2480.00	3001.90	.00
	243.000	307.23	.20	307.70	492.00	.00	37979.57	20.43	492.00	2518.00	2480.00	3001.90	3010.00
*	244.000	307.12	.00	307.54	510.84	.00	38000.00	.00	.00	.00	2550.50	3075.60	.00
*	244.000	307.32	.20	307.72	510.00	.00	38000.00	.00	510.00	2560.00	2550.50	3075.60	3070.00
*	245.000	307.60	.00	307.90	857.36	15026.80	17368.06	5605.15	1415.00	100.00	928.40	1396.30	1515.00
*	245.000	307.71	.11	308.15	650.00	16802.16	20194.79	1003.05	650.00	760.00	928.40	1396.30	1410.00
	250.000	308.39	.00	308.53	1193.16	5707.58	5891.06	26401.36	.00	.00	2566.70	2740.60	.00
	250.000	308.80	.42	309.00	910.00	7098.65	7154.32	23747.03	910.00	2400.00	2566.70	2740.60	3310.00
*	260.000	309.50	.00	310.32	678.32	533.73	9184.47	28281.80	.00	.00	2375.20	2544.60	.00
*	260.000	310.26	.76	311.00	610.00	551.27	8980.21	28468.53	610.00	2340.00	2375.20	2544.60	2950.00
*	270.000	312.91	.00	313.42	1073.31	3461.44	6445.73	27092.83	.00	.00	2509.50	2678.60	.00
	270.000	313.23	.33	313.82	720.00	3105.61	6763.26	27131.14	720.00	2270.00	2509.50	2678.60	2990.00
*	280.000	314.65	.00	314.79	1526.23	4252.20	2248.31	30499.49	.00	.00	958.00	1060.00	.00
*	280.000	315.11	.46	315.27	1330.00	4165.22	2469.75	30365.03	1330.00	560.00	958.00	1060.00	1890.00
	285.000	315.19	.00	315.32	1709.02	2834.58	1494.35	32671.08	.00	.00	706.60	792.20	.00
	285.000	315.65	.46	315.78	1490.00	2706.90	1482.49	32810.61	1490.00	525.00	706.60	792.20	2015.00
	290.000	315.74	.00	315.91	1774.24	5645.31	2055.89	29298.80	.00	.00	2655.10	2758.90	.00
	290.000	316.14	.40	316.32	1544.09	3023.11	2153.92	31822.96	1594.00	2560.00	2655.10	2758.90	4154.00
*	300.000	316.68	.00	316.97	1605.71	2017.92	2638.47	32343.61	1800.00	2340.00	2536.20	2708.70	4140.00
*	300.000	317.04	.37	317.34	1410.53	.00	2677.51	34322.49	1474.00	2540.00	2536.20	2708.70	4014.00
*	310.000	317.75	.00	317.94	1743.70	923.33	958.02	35118.64	1770.00	2460.00	2698.40	2822.30	4230.00
	310.000	318.17	.42	318.42	1350.00	601.93	1202.76	35195.31	1350.00	2650.00	2698.40	2822.30	4000.00
*	320.000	319.50	.00	320.03	1322.48	415.25	9871.67	26713.07	1350.00	950.00	988.70	1300.00	2300.00
*	320.000	320.17	.67	320.70	1120.00	.00	9169.39	27830.61	1120.00	1030.00	988.70	1300.00	2150.00
*	330.000	322.64	.00	322.98	949.66	17451.99	6631.55	11916.46	1020.00	1280.00	1760.00	1917.00	2300.00
*	330.000	322.98	.34	323.31	880.00	17175.08	6803.74	12021.19	880.00	1370.00	1760.00	1917.00	2250.00
	340.000	323.83	.00	324.12	958.29	5787.50	16945.86	13266.64	980.00	1200.00	1410.00	1843.20	2180.00
	340.000	324.11	.27	324.37	960.00	5852.52	16845.83	13301.65	960.00	1220.00	1410.00	1843.20	2180.00

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
	345.000	324.53	.00	324.88	1060.00	9000.79	20015.56	6983.65	1060.00	1210.00	1509.80	1995.50	2270.00
	345.000	324.73	.20	325.09	970.00	8257.22	20489.92	7252.86	970.00	1300.00	1509.80	1995.50	2270.00
	355.000	325.62	.00	326.04	1000.00	7691.40	24308.14	4000.46	1000.00	1370.00	1731.40	2253.80	2370.00
	355.000	325.80	.18	326.25	870.00	6679.52	25134.85	4185.63	870.00	1500.00	1731.40	2253.80	2370.00
	356.000	327.08	.00	327.84	941.47	6303.11	29018.37	678.52	950.00	1340.00	1836.00	2258.20	2290.00
	356.000	327.26	.19	328.14	762.01	4129.55	31121.67	748.78	770.00	1520.00	1836.00	2258.20	2290.00
*	358.000	326.84	.00	327.84	940.81	3033.19	32965.38	1.43	960.00	1340.00	1836.00	2278.40	2300.00
*	358.000	327.12	.28	328.14	771.59	2047.65	33949.40	2.95	790.00	1510.00	1836.00	2278.40	2300.00
	360.000	328.47	.00	328.74	1070.00	28115.08	6467.28	1417.64	1070.00	1530.00	2187.00	2382.90	2600.00
	360.000	328.74	.27	329.03	870.00	28837.45	6698.35	464.20	870.00	1565.00	2187.00	2382.90	2435.00
	370.000	329.02	.00	329.21	1338.57	26811.51	2887.07	6301.42	1350.00	1470.00	2234.10	2326.40	2820.00
	370.000	329.28	.26	329.51	1030.00	29820.38	3193.21	2986.41	1030.00	1470.00	2234.10	2326.40	2500.00
	380.000	329.41	.00	329.60	1420.00	25573.75	1930.68	8495.57	1420.00	1540.00	2380.90	2436.40	2960.00
	380.000	329.72	.31	329.98	1085.00	29821.24	2221.74	3957.03	1085.00	1540.00	2380.90	2436.40	2625.00
	390.000	330.20	.00	330.53	1060.00	24818.01	5296.69	5885.29	1060.00	1680.00	2250.00	2402.00	2740.00
	390.000	330.65	.45	331.03	890.00	25682.97	5933.40	4383.62	890.00	1730.00	2250.00	2402.00	2620.00
*	400.000	331.24	.00	331.46	856.00	3270.18	30980.14	1749.68	856.00	1749.00	1877.60	2531.60	2605.00
*	400.000	331.76	.51	331.98	765.00	1660.89	32449.65	1889.46	765.00	1820.00	1877.60	2531.60	2585.00
	410.000	331.93	.00	332.20	745.35	1728.32	32629.26	1642.42	750.00	2970.00	3065.30	3645.90	3720.00
	410.000	332.41	.47	332.65	739.50	1831.68	32451.58	1716.74	739.50	2970.50	3065.30	3645.90	3710.00
	415.000	332.64	.00	332.86	765.00	1523.24	32139.30	2337.46	765.00	3180.00	3252.30	3865.00	3945.00
	415.000	333.04	.40	333.25	745.00	1560.20	32031.77	2408.03	745.00	3200.00	3252.30	3865.00	3945.00
	420.000	333.04	.00	333.36	654.27	2397.63	30350.63	3251.73	685.00	3380.00	3467.10	3988.90	4065.00
	420.000	333.40	.36	333.70	653.50	2447.66	30235.22	3317.12	653.50	3411.50	3467.10	3988.90	4065.00
*	421.000	333.18	.00	334.57	441.57	1644.00	34227.24	128.76	.00	.00	2650.00	3049.10	.00
*	421.000	333.51	.33	334.80	440.00	1687.24	34171.24	141.53	440.00	2617.00	2650.00	3049.10	3057.00
	422.000	332.75	.00	335.11	440.48	971.30	34795.57	233.13	.00	.00	2645.00	3044.70	.00
	422.000	333.13	.37	335.28	440.00	1013.78	34734.45	251.77	440.00	2617.00	2645.00	3044.70	3057.00
	423.000	333.68	.00	335.58	442.85	1074.27	34646.00	279.73	.00	.00	4645.00	5044.70	.00
	423.000	333.86	.18	335.69	442.00	1093.63	34617.20	289.16	442.00	4616.00	4645.00	5044.70	5058.00
	424.000	333.88	.00	335.68	450.42	720.63	33946.33	1333.04	.00	.00	4658.90	5055.00	.00
	424.000	334.09	.20	335.79	449.00	743.15	33908.34	1348.51	449.00	4633.00	4658.90	5055.00	5082.00
*	425.000	336.57	.00	336.91	1029.97	12474.41	12538.88	10986.71	1035.00	4365.00	4805.90	5113.20	5400.00
*	425.000	336.64	.07	337.09	850.00	13918.51	14370.78	7710.71	850.00	4420.00	4805.90	5113.20	5270.00

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
	430.000	337.53	.00	338.20	1173.90	6532.31	12473.52	16994.18	1460.00	4540.00	5520.60	5704.90	6000.00
*	430.000	337.92	.39	338.78	1000.00	9380.38	15313.76	11305.85	1000.00	4860.00	5520.60	5704.90	5860.00
	440.000	339.55	.00	340.06	1256.15	19760.82	10978.35	3260.83	1510.00	4030.00	5118.70	5291.80	5540.00
	440.000	340.19	.64	340.62	1055.00	20450.12	10420.73	3129.15	1055.00	4365.00	5118.70	5291.80	5420.00
*	450.000	340.18	.00	340.48	1285.09	4669.56	29192.97	137.46	1470.00	4030.00	4864.80	5377.90	5500.00
*	450.000	340.70	.52	340.97	1035.00	4892.29	28958.70	149.01	1035.00	4375.00	4864.80	5377.90	5410.00
	460.000	340.40	.00	340.60	1395.66	1767.11	32067.00	165.89	1575.00	4025.00	4626.20	5331.20	5600.00
	460.000	340.88	.48	341.08	980.00	1322.93	32507.39	169.68	980.00	4380.00	4626.20	5331.20	5360.00
*	470.000	340.49	.00	340.98	1312.80	24053.42	9528.00	418.57	1550.00	3700.00	5002.10	5145.90	5250.00
*	470.000	340.90	.41	341.45	881.97	25636.46	8363.53	.00	1005.00	4125.00	5002.10	5145.90	5130.00
*	480.000	340.18	.00	343.59	253.48	.00	33999.99	.00	1330.00	2870.00	3872.70	4124.90	4200.00
*	480.000	340.82	.64	343.79	255.43	2.68	33996.04	1.28	1020.60	3105.00	3872.70	4124.90	4125.60
*	483.000	343.81	.00	345.05	939.37	4246.96	28574.24	1178.80	1340.00	2900.00	3854.90	4098.10	4240.00
*	483.000	343.61	-.20	345.25	641.85	2390.80	31277.98	331.22	1020.00	3120.00	3854.90	4098.10	4140.00
	484.000	345.16	.00	345.96	1270.00	12069.74	19867.79	2062.46	1270.00	2920.00	3795.20	4061.40	4190.00
	484.000	345.34	.19	346.36	1015.00	10976.13	22308.68	715.19	1015.00	3080.00	3795.20	4061.40	4095.00
*	485.000	344.96	.00	346.38	1260.00	18995.99	11935.60	3068.41	1260.00	2920.00	3795.20	4061.40	4180.00
*	485.000	345.36	.40	347.03	1015.00	18750.78	14029.44	1219.79	1015.00	3080.00	3795.20	4061.40	4095.00
*	486.000	346.04	.00	346.56	1260.00	14543.03	17214.68	2242.29	1260.00	2920.00	3795.20	4061.40	4180.00
*	486.000	346.66	.62	347.23	1015.00	14452.19	18719.79	828.02	1015.00	3080.00	3795.20	4061.40	4095.00
	490.000	346.63	.00	347.12	1090.00	20711.90	10502.13	2785.97	1090.00	3030.00	3797.70	3905.40	4120.00
*	490.000	347.30	.66	347.71	1020.00	22051.85	9776.88	2171.27	1020.00	3030.00	3797.70	3905.40	4050.00
*	500.000	347.25	.00	347.54	910.00	6846.64	18675.81	7477.55	910.00	3280.00	3766.70	4005.40	4190.00
*	500.000	347.80	.54	348.08	875.00	7870.43	19185.10	5944.47	875.00	3280.00	3766.70	4005.40	4155.00
*	507.000	347.29	.00	347.95	487.36	75.49	32147.81	776.70	.00	.00	3860.70	4289.50	.00
*	507.000	347.85	.56	348.44	484.00	89.17	32054.40	856.43	484.00	3851.00	3860.70	4289.50	4335.00
	508.000	347.15	.00	348.12	486.38	98.20	32125.39	776.40	.00	.00	3860.70	4289.50	.00
	508.000	347.72	.57	348.60	482.00	117.04	32013.16	869.80	482.00	3852.00	3860.70	4289.50	4334.00
	509.000	347.35	.00	348.29	487.74	1163.49	31709.77	126.74	.00	.00	3889.40	4322.40	.00
	509.000	347.89	.54	348.74	484.00	1196.54	31649.64	153.82	484.00	3851.00	3889.40	4322.40	4335.00
*	510.000	347.80	.00	348.40	490.72	186.01	32469.48	344.52	494.00	3864.00	3885.30	4317.20	4358.00
*	510.000	348.29	.49	348.84	485.00	209.96	32400.46	389.57	485.00	3867.00	3885.30	4317.20	4352.00
*	515.000	348.42	.00	348.53	830.00	8886.74	23512.01	601.25	830.00	3640.00	3935.00	4447.80	4470.00
*	515.000	348.83	.41	348.97	690.00	6962.38	26037.62	.00	690.00	3750.00	3935.00	4447.80	4440.00

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
	520.000	348.44	.00	348.64	697.36	2492.67	29358.12	1149.22	760.00	4240.00	4347.80	4855.30	5000.00
	520.000	348.87	.43	349.07	625.00	2593.67	30177.73	228.60	625.00	4240.00	4347.80	4855.30	4865.00
*	530.000	348.41	.00	348.85	569.22	1398.17	26600.70	5001.13	641.00	4050.00	4190.20	4516.30	4691.00
*	530.000	348.85	.43	349.28	480.00	818.65	27098.52	5082.84	480.00	4170.00	4190.20	4516.30	4650.00
	535.000	348.39	.00	349.04	471.51	476.07	28410.97	4112.96	530.00	2070.00	2119.80	2411.10	2600.00
	535.000	348.83	.44	349.46	410.00	.00	28604.38	4395.62	410.00	2120.00	2119.80	2411.10	2530.00
	540.000	348.69	.00	349.22	461.29	1372.16	30075.16	1552.68	.00	.00	2055.80	2395.10	.00
	540.000	349.07	.38	349.63	412.00	6.66	31319.34	1674.00	412.00	2055.00	2055.80	2395.10	2467.00
	550.000	348.98	.00	349.52	600.30	4054.10	25198.65	3747.25	.00	.00	1894.00	2153.30	.00
	550.000	349.38	.40	349.93	520.00	3316.29	25676.34	4007.38	520.00	1830.00	1894.00	2153.30	2350.00
	560.000	349.45	.00	349.77	660.25	1970.76	21017.56	10011.67	.00	.00	1638.20	1898.10	.00
	560.000	349.85	.40	350.16	625.00	1939.06	21052.80	10008.14	625.00	1575.00	1638.20	1898.10	2200.00
	562.000	349.60	.00	349.86	730.39	2589.02	15894.87	14516.11	.00	.00	1181.40	1385.00	.00
	562.000	350.00	.40	350.25	710.00	2621.88	15795.64	14582.48	710.00	1080.00	1181.40	1385.00	1790.00
	564.000	349.70	.00	349.93	750.79	3755.96	19117.78	10126.26	.00	.00	1053.10	1332.20	.00
	564.000	350.09	.39	350.31	730.00	3738.71	19022.62	10238.67	730.00	920.00	1053.10	1332.20	1650.00
	566.000	349.52	.00	350.15	559.78	1542.75	29141.65	2315.60	.00	.00	971.90	1257.50	.00
	566.000	349.92	.40	350.51	535.00	1524.84	29076.86	2398.29	535.00	870.00	971.90	1257.50	1405.00
	570.000	349.31	.00	350.50	444.72	1677.38	28598.57	2724.04	.00	.00	1642.70	1843.30	.00
	570.000	349.72	.41	350.83	435.00	1747.52	28453.58	2798.90	435.00	1525.00	1642.70	1843.30	1960.00
	572.000	349.70	.00	350.68	404.56	1798.57	29349.34	1852.09	.00	.00	832.00	1056.10	.00
	572.000	350.07	.37	350.99	393.00	1820.65	29285.90	1893.45	393.00	757.00	832.00	1056.10	1150.00
	574.000	350.20	.00	350.82	418.68	598.50	31154.26	1247.24	.00	.00	747.50	1043.60	.00
	574.000	350.53	.33	351.13	385.00	610.75	31153.23	1236.02	385.00	705.00	747.50	1043.60	1090.00
	576.000	350.13	.00	350.98	409.24	618.22	28473.03	3908.75	.00	.00	733.40	959.30	.00
	576.000	350.43	.30	351.29	372.00	644.53	28938.08	3417.39	372.00	688.00	733.40	959.30	1060.00
	582.000	350.38	.00	351.21	572.48	1286.17	25423.21	6290.62	.00	.00	698.20	914.10	.00
	582.000	350.60	.22	351.56	465.00	1105.73	26963.26	4931.01	465.00	615.00	698.20	914.10	1080.00
	584.000	350.65	.00	351.37	563.52	1772.08	25150.40	6077.51	.00	.00	632.70	857.90	.00
	584.000	351.05	.40	351.73	547.00	1801.35	25058.59	6140.06	547.00	538.00	632.70	857.90	1085.00
	586.000	350.84	.00	351.51	568.40	2203.17	21878.94	8917.89	.00	.00	582.70	772.70	.00
	586.000	351.13	.29	351.89	495.00	2365.26	23092.95	7541.79	495.00	465.00	582.70	772.70	960.00
*	592.000	350.70	.00	352.10	410.42	1906.51	23721.27	7372.22	455.00	345.00	443.90	597.60	800.00
*	592.000	350.95	.25	352.51	349.00	2033.74	24966.11	6000.15	349.00	371.00	443.90	597.60	720.00

	SECNO	CWSEL	DIFKWS	EG	TOPWID	QLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
*	594.000	351.08	.00	355.39	237.35	3208.40	25564.98	4226.62	.00	.00	630.70	779.90	.00
*	594.000	351.02	-.07	355.39	235.00	3189.09	25617.41	4193.50	235.00	595.00	630.70	779.90	830.00
*	600.000	358.03	.00	358.99	340.85	8333.43	23386.94	1279.63	450.00	600.00	778.90	979.10	1050.00
*	600.000	358.05	.02	359.01	335.00	8351.96	23397.12	1250.92	335.00	660.00	778.90	979.10	995.00
*	610.000	360.64	.00	361.11	386.69	2136.44	29761.13	1102.43	452.30	200.00	319.90	622.80	652.30
*	610.000	360.66	.03	361.15	365.00	1861.04	30032.88	1106.08	365.00	280.00	319.90	622.80	645.00
	620.000	362.65	.00	363.07	428.48	.00	33000.00	.00	500.00	250.00	299.20	732.00	750.00
	620.000	362.65	.00	363.08	400.00	.00	33000.00	.00	400.00	330.00	299.20	732.00	730.00
	630.000	363.81	.00	364.26	414.34	4241.48	26310.74	2447.78	505.00	300.00	445.60	718.00	805.00
	630.000	363.82	.00	364.29	370.00	3561.56	26948.95	2489.49	370.00	380.00	445.60	718.00	750.00
*	640.000	365.40	.00	366.87	282.79	2646.47	26312.97	4040.57	.00	.00	433.90	577.60	.00
*	640.000	365.44	.04	367.09	199.00	2782.01	27559.18	2658.80	199.00	401.00	433.90	577.60	600.00

SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION SECNO= 100.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

WARNING SECNO= 110.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 110.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 120.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 120.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 130.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 130.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 150.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 150.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 160.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 160.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 170.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 170.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 180.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 180.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 190.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 190.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 200.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 200.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 210.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 210.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 211.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 211.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 239.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 239.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 240.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 240.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 242.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 242.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 244.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 244.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 245.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 245.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 260.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 260.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 270.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 280.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 280.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 300.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 300.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 310.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 320.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 320.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 330.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 330.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 358.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 358.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 400.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 400.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 421.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 421.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 425.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 425.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 430.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 450.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 450.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 470.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 470.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 480.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 480.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO= 483.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO= 483.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO= 485.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 485.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 485.000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 485.000 PROFILE= 2 MINIMUM SPECIFIC ENERGY

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WARNING SECNO=    486.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    486.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    490.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    500.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    500.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    507.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    507.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    510.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    510.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    515.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    515.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    530.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    530.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    592.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    592.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

CAUTION SECNO=    594.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    594.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
CAUTION SECNO=    594.000  PROFILE=  2  CRITICAL DEPTH ASSUMED
CAUTION SECNO=    594.000  PROFILE=  2  MINIMUM SPECIFIC ENERGY

WARNING SECNO=    600.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    600.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    610.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    610.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

WARNING SECNO=    640.000  PROFILE=  1  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
WARNING SECNO=    640.000  PROFILE=  2  CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
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FLOODWAY DATA, PROFILE 1 - 100 YEAR FLO
PROFILE NO. 2

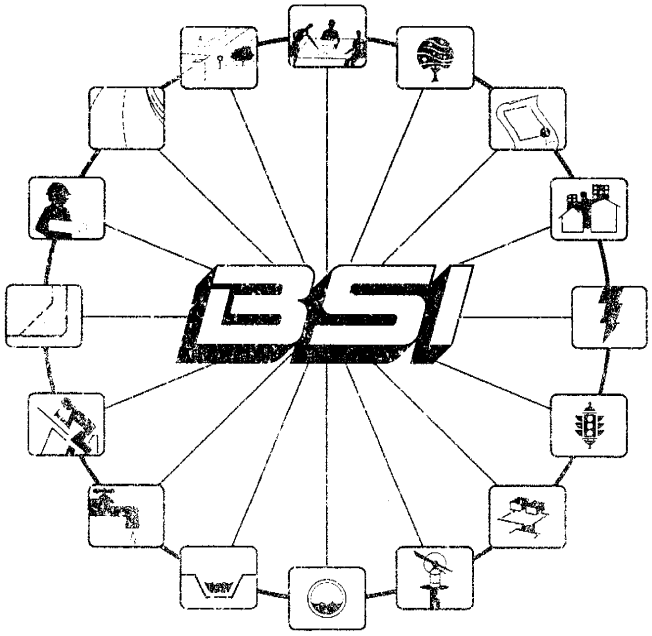
STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
100.000	260.	2528.	15.0	281.5	280.6	.9
110.000	300.	3355.	11.3	287.6	288.0	-.4
120.000	340.	4367.	8.7	290.7	290.8	-.1
130.000	353.	6049.	6.3	298.4	298.0	.4
140.000	330.	6659.	5.7	302.5	301.9	.6
150.000	955.	14197.	2.7	304.0	303.4	.6
160.000	1379.	16675.	2.3	304.5	304.0	.5
170.000	1580.	21190.	1.8	304.6	304.1	.5
180.000	1455.	20538.	1.9	304.6	304.1	.5
190.000	1433.	22814.	1.7	304.7	304.2	.5
200.000	1605.	23760.	1.6	304.7	304.2	.5
209.000	1700.	21632.	1.8	304.8	304.4	.4
210.000	1700.	13942.	2.7	304.7	304.3	.4
211.000	1700.	21754.	1.7	304.9	304.4	.5
220.000	1585.	15996.	2.4	305.1	304.7	.4
230.000	1175.	12128.	3.1	305.3	304.9	.4
239.000	670.	7809.	4.9	305.4	305.0	.4
240.000	494.	7499.	5.1	307.2	307.0	.2
242.000	492.	6899.	5.5	307.2	307.0	.2
243.000	492.	6927.	5.5	307.2	307.0	.2
244.000	510.	7452.	5.1	307.3	307.1	.2
245.000	650.	10588.	3.6	307.7	307.6	.1
250.000	910.	11514.	3.3	308.8	308.4	.4
260.000	610.	6273.	6.1	310.3	309.5	.8
270.000	720.	7571.	4.9	313.2	312.9	.3
280.000	1330.	13483.	2.7	315.1	314.7	.4
285.000	1490.	13176.	2.8	315.7	315.2	.5
290.000	1594.	11398.	3.2	316.1	315.7	.4
300.000	1474.	8993.	4.1	317.0	316.7	.3
310.000	1350.	9717.	3.8	318.2	317.8	.4
320.000	1120.	6902.	5.4	320.2	319.5	.7
330.000	880.	7834.	4.6	323.0	322.6	.4
340.000	960.	8832.	4.1	324.1	323.8	.3
345.000	970.	7569.	4.8	324.7	324.5	.2
355.000	870.	6717.	5.4	325.8	325.6	.2
356.000	762.	4872.	7.4	327.3	327.1	.2
358.000	772.	4810.	7.5	327.1	326.8	.3
360.000	870.	8648.	4.2	328.7	328.5	.2
370.000	1030.	9643.	3.7	329.3	329.0	.3
380.000	1085.	9114.	3.9	329.7	329.4	.3
390.000	890.	7688.	4.7	330.7	330.2	.5
400.000	765.	9618.	3.7	331.8	331.2	.6

FLOODWAY DATA, PROFILE 1 - 100 YEAR FLO
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
410.000	739.	9125.	3.9	332.4	331.9	.5
415.000	745.	9981.	3.6	333.0	332.6	.4
420.000	653.	8476.	4.2	333.4	333.0	.4
421.000	440.	3959.	9.1	333.5	333.2	.3
422.000	440.	3089.	11.7	333.1	332.8	.3
423.000	442.	3351.	10.7	333.9	333.7	.2
424.000	449.	3462.	10.4	334.1	333.9	.2
425.000	850.	6893.	5.2	336.6	336.6	.0
430.000	1000.	5182.	6.9	337.9	337.5	.4
440.000	1055.	6473.	5.3	340.2	339.6	.6
450.000	1035.	9641.	3.5	340.7	340.2	.5
460.000	980.	10400.	3.3	340.9	340.4	.5
470.000	1005.	5756.	5.9	340.9	340.5	.4
480.000	255.	2461.	13.8	340.8	340.2	.6
483.000	1020.	3565.	9.5	343.6	343.8	-.2
484.000	1015.	4388.	7.7	345.3	345.2	.1
485.000	1015.	3275.	10.4	345.4	345.0	.4
486.000	1015.	5716.	5.9	346.7	346.0	.7
490.000	1020.	6859.	5.0	347.3	346.6	.7
500.000	875.	8118.	4.1	347.8	347.3	.5
507.000	484.	5402.	6.1	347.8	347.3	.5
508.000	482.	4439.	7.4	347.7	347.1	.6
509.000	484.	4507.	7.3	347.9	347.3	.6
510.000	485.	5601.	5.9	348.3	347.8	.5
515.000	690.	11093.	3.0	348.8	348.4	.4
520.000	625.	9359.	3.5	348.9	348.4	.5
530.000	480.	6566.	5.0	348.8	348.4	.4
535.000	410.	5409.	6.1	348.8	348.4	.4
540.000	412.	5633.	5.9	349.1	348.7	.4
550.000	520.	6101.	5.4	349.4	349.0	.4
560.000	625.	8046.	4.1	349.9	349.4	.5
562.000	710.	8990.	3.7	350.0	349.6	.4
564.000	730.	9426.	3.5	350.1	349.7	.4
566.000	535.	6486.	5.1	349.9	349.5	.4
570.000	435.	4933.	6.7	349.7	349.3	.4
572.000	393.	5055.	6.5	350.1	349.7	.4
574.000	385.	5780.	5.7	350.5	350.2	.3
576.000	372.	5151.	6.4	350.4	350.1	.3
582.000	465.	5292.	6.2	350.6	350.4	.2
584.000	547.	6415.	5.1	351.0	350.6	.4
586.000	495.	6176.	5.3	351.1	350.8	.3
592.000	349.	4213.	7.8	350.9	350.7	.2

FLOODWAY DATA, PROFILE 1 - 100 YEAR FLO
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
594.000	235.	1986.	16.6	351.0	351.1	-.1
600.000	335.	4224.	7.8	358.0	358.0	.0
610.000	365.	5921.	5.6	360.7	360.6	.1
620.000	400.	6302.	5.2	362.7	362.7	.0
630.000	370.	6047.	5.5	363.8	363.8	.0
640.000	199.	3208.	10.3	365.4	365.4	.0



BSI Consultants, Inc.

BSI Consultants, Inc.

HYDRAULIC ANALYSIS OF THE SAN DIEGO RIVER

STUDY REPORT

WITHIN THE CITY OF SANTEE SANTEE, CALIFORNIA

July, 1992

BSI Consultants, Inc.

July 8, 1992

Mr. Craig M. Stampher
Senior Civil Engineer
City of Santee
10765 Woodside Avenue
Santee, CA 92071-3198

Subject: San Diego River Flood Study

Dear Craig:

BSI Consultants, Inc. is pleased to provide the City of Santee with the final report and maps in completion of Task VII of the Scope of Work. Included with this submittal you will find the following products of work:

- Final HEC-2 model including PC diskettes and two bound printouts (8 1/2" x 11" format).
- Final Floodplain maps of the 100 year and 500 year floodplain and 100 year floodway on 1" = 200' orthophoto City title sheet mylar base with contour and spot elevation overlay (City flows).
- Final Floodplain maps of the 100 year and 500 year floodplain and 100 year floodway on 1" = 200' orthophoto City title sheet mylar base with contour and spot elevation overlay (FEMA flows).
- Final cross-section and profile plots on mylar City title sheets.
- A final report incorporating all City comments.
- Supplemental roughness coefficient report.

It should be noted that the floodplain and floodway data, as provided in the report and on the diskettes, are only accurate when using the flows for which they were intended. Future iterations using different flowrates will require modifications of the floodplain and floodway models.

16880 West Bernardo Drive, Suite 100, San Diego, CA 92127-1616 • (619) 451-6100 • FAX: (619) 451-1694

We appreciate being of assistance to the City on this important project. If you have any questions, please let us know.

Sincerely,

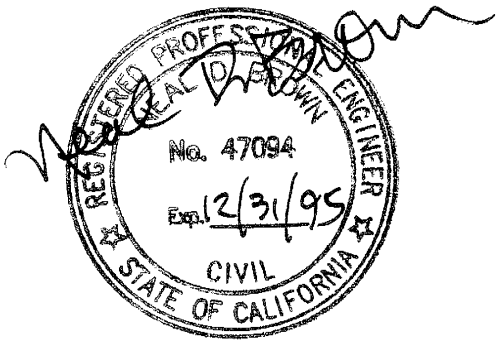
BSI CONSULTANTS, INC.

Neal D. Brown, P.E.
Project Engineer

Daniel A. York, P.E.
Vice President

NDB/DAY/njg
corresp/santee/sd-river.nb

Enclosures



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APPENDIX

FLOOD PLAIN REVISION
SAN DIEGO RIVER
CITY OF SANTEE, CALIFORNIA

1.0 EXECUTIVE SUMMARY

The purpose of this study is to provide an updated hydraulic analysis and flood mapping of the San Diego River using both FEMA and City accepted flow rates. Floodways have been revised to reflect both the changes in river configuration and the increased City flows.

The length of river analyzed is contained between Mission Dam on the downstream end and Riverford Bridge on the upstream end. This reach covers the entire incorporated areas of the City of Santee as well as adjacent portions within the City and County of San Diego.

The study prepared by the County of San Diego in 1982 is currently being used for the flood insurance study for the City of Santee. Because the river is designated as "environmentally sensitive" allowing minimal improvements, the most notable change is the maturity of the channel growth. Roughness factors used to model the channel were analyzed carefully and compared to other more recent studies to accurately portray current conditions.

This report is a supplement to the hydraulic runs generated for this study. Two separate HEC-2 sets were prepared. The first was a multiple profile run which contained FEMA flowrates for the 10-, 50-, 100-, and 500- year floodplains and floodway. The second run contained the 100-year floodplain and floodway using the higher City flowrates. The limits for the floodway were set using the higher City flows for both the City and FEMA runs.

2.0 INTRODUCTION

2.1 Purpose of Study

The City of Santee has long been involved in a program of flood plain management, since its incorporation in 1980, in order to minimize the risk of flood damage to new developments, and to avoid increasing flood hazards existing within city limits. Existing floodplain boundaries are based upon conditions and mapping that were developed in 1984. The purpose of this study is to provide for management of development within and adjacent to the floodplain based on the City's adopted flow rates.

The Federal Government recognizes the importance of sound flood plain management, and offers (through the Federal Emergency Management Agency (FEMA)) federally subsidized flood insurance to individuals in communities adopting programs designed to minimize the possibility of flood damages. The City of Santee's flood plain management program complies with the federal criteria for flood plain management measures.

As part of this management process, the City has chosen to update existing boundaries of the 100-year flood and corresponding floodway for the following reasons specified in the City of Santee Ordinance 204.

1. The ordinance indicates that two peak discharges have already occurred which are substantially in excess of the current base flood discharge of 33,000 cubic feet per second (cfs).

2. The County of San Diego recognizes that the 100-year discharge should **currently** be in the order of at least 40,000 cfs.

3. The Corps of Engineers has estimated that the base flood discharge would be approximately 45,000 cfs under **ultimate** conditions of development.

Based upon these significant differences in flowrates, and the availability of recently flown 100 scale topographic mapping, the City has elected to update the floodplain boundary. Revisions to the Manning's roughness coefficients reflecting the current vegetal condition, and revised cross section geometry also influence the location of the boundary limit.

All data generated as part of this study is available at the City of Santee Public Works Department. Any developer or landowner wishing to improve property along the channel corridor should contact the City prior to any development.

2.2 Coordination

This study was performed under the direction of the City of Santee Public Works Department. The City reviewed all of the work submitted by the consultant. Several technical reviews and coordination meetings were held between City staff and BSI Consultants, Inc. to allow the City to provide additional data they felt was critical to the success of this study. Appendix D contains a summary of the meetings and submittals performed as part of this study.

The professional services of Robert Born of Robert H. Born Consulting Engineers was used during the early phases of this study in providing guidelines for FEMA coordination, as well as microfiche copies of the existing County floodway data.

3.0 AREA STUDIED

3.1 Scope of Study

This flood study covers that portion of the San Diego River within the incorporated areas of the City of Santee, as well as adjacent portions within the City and County of San Diego. The limits of detailed analysis were determined by City and BSI personnel at a meeting in July 1990.

The limits of detailed analysis were established as that reach of the San Diego River between Mission Dam at the downstream end and the Riverford Bridge crossing at the upper end. This reach is similar to that previously used by FEMA to map the City's flood limits.

3.2 General Description

The San Diego River, a natural open channel, has a constantly changing configuration due to the highly movable sandy channel bottom and the commercial sand mining operations that take place along several of its reaches. Although fluvial analysis may be advisable for specific projects along the river, it was not included within the scope of this study.

Last studied almost ten years ago, the San Diego River has undergone many dramatic changes. Most notable is the maturity of the channel growth. Many streams and rivers throughout southern California have been designated "environmentally sensitive", and this river is no exception.

Allowed only controlled and monitored improvements, much of the channel is required to remain in a "natural" condition, with little or no channel maintenance allowed. This lack of maintenance has allowed a large amount of vegetal growth to take place, resulting in large changes to the roughness coefficients used during analysis. A supplemental report has been prepared to document the increase in roughness coefficients used for this study.

As an example of the environmental sensitivity of the area, Caltrans has designated and constructed a "mitigation area" to offset the loss of vegetation

due to the construction of the Highway 52 freeway currently being built. This area, located between Mast Boulevard and Mission Dam, has been planted with trees and shrubs to replace the plants and vegetation disturbed by construction of the highway.

3.3 Previous Other Studies

Several studies have been performed along several different reaches within this study area. The study prepared by the County of San Diego (1982) for the current flood insurance study is the only study to cover the entire designated study reach. Other studies were performed for RCP (1988) in the upper reach to determine the effects of the sandmining operations; by Boyle Engineering (1989); Nolte Engineering (1990); and PDC (1990) in the middle reach to analyze the Mast Park and Town Center area improvements. Another study, prepared by Group Delta (1987), reflects potential roughness conditions and was also used as a comparison. All these studies reflect the increasing vegetation of the channel and were reviewed.

4.0 HYDROLOGIC DATA

This hydraulic analysis uses currently accepted FEMA flowrates for the 10-, 50-, 100-, and 500-year floods to compute the revised floodplain and floodway. The City of Santee also provided a copy of Ordinance No. 204 (Adopted March 23, 1988). This ordinance adopts, for the City's use, a 100-year ultimate flowrate of 45,000 cfs minimum. A separate floodplain and floodway were determined using this higher flowrates. The flowrates shown in Table 1 are those used in this hydraulic analysis.

No hydrologic analysis was performed as part of this study.

TABLE 1

Frequency Discharge
Cubic Feet Per Second (cfs)

	10-Year	50-Year (FEMA)	100-year (CITY)	100-Year	500-Year
San Diego River					
Mission Dam	5,500	19,000	38,000	50,000	112,000
0.7 Mile Downstream from Sycamore Creek	5,000	17,000	37,000	49,000	112,000
at Confluence with Forester Creek	4,500	16,000	36,000	48,000	112,000
0.2 Mile Upstream of Cuyamaca Street	3,800	15,000	34,000	46,000	108,000
at Cottonwood Avenue	3,500	14,000	33,000	45,000	105,000

5.0 HYDRAULIC ANALYSIS

5.1 Use of HEC-2

Water surface elevations were computed using ProHEC2 Version 4.6, an enhanced version of the Army Corps of Engineer's HEC-2 step-backwater computer program (April 1991). This version is prepared by Dodson & Associates, Inc. and covers the September 1988 Version of HEC-2 (Modification 3) as presented by the US Army Corps of Engineers Water Resources Support Center.

5.2 Topography and Mapping

The City provided aerial mapping in digital format prepared by Airborne Systems, Inc. The mapping was flown on April 22, 1989 and was prepared at a scale of 1" = 100' with 2 foot contour intervals. Horizontal and vertical control for the mapping is based on Record of Survey 11252. ROS 11252 provided by Klagge-Stevens uses the North American Datum of 1983 (NAD83). The vertical accuracy of the mapping was established at $\pm$ 1/2 contour interval ($\pm$ 1 foot).

The City also provided a digital terrain model which was used for preparing cross section data. Using county of San Diego 1" = 200' topography maps, prepared in 1982, BSI identified the coordinates of the cross section end points at approximately the same locations as the cross sections used in the 1984 FEMA study. Additional cross sections were added to better model the bridges and other areas that appeared to have high conveyance changes. The following cross sections were specifically added to the model: 209, 211, 242, 243, 422, 423, 484, 486, 508, 509, 610, 620, 630 and 640. The coordinate information was input into the terrain model and, using a conversion program developed by BSI, the horizontal location of the two foot contour intervals along the cross section was determined. This procedure produced the bulk of the cross section data. The data was then checked for accuracy and supplemented at some locations by interpolation between contour intervals to estimate the elevation to the nearest foot. Examples include the bridge sections where as-built bridge information was available, at locations of steep slope where the contour interval was increased to five foot intervals and at locations of flat area typically along the river bottom."

5.3 Roughness Coefficients

In December 1990, BSI consultants field reviewed the entire study reach and made a photographic inventory of the vegetal field conditions found. Many of the photographs from this field review were bound into a separate supplemental report to provide photographic documentation of the channel roughnesses. The report entitled "Roughness Coefficients Supplemental Report" dated March, 1991, was submitted along with this document to support the conclusions drawn by the study contractor.

Roughness factors (Manning's "n" values) used in hydraulic computations were estimated using the Cowan method of roughness determination as presented in Open-Channel Hydraulics (Chapter 5) by Ven Te Chow. This method estimates the "n" value for a straight, uniform, smooth channel in the

natural materials involved, then modifies it to adjust for the effects of surface irregularities, variations in shape and size for the channel cross section, obstructions, vegetation and flow conditions, and for meandering of the channel.

Roughness coefficients for the channel bottom selected for the study varied from 0.03 to 0.2. The overbank areas varied from 0.025 to 0.14. An additional visual check was done comparing the pictures indicative of different "n" values found in Open-Channel Hydraulics (Chapter 5) with those found in the channel today. The estimated values seemed reasonable when compared with those pictures.

Results from this method were consistent with data reviewed (as described in Section 3.3) from other previous hydraulic studies along the channel. These results are summarized in Appendix C. As can be seen from this appendix, the n values used herein follow the trend of increasing roughness as the channel matures.

5.4 Beginning and Ending Limits of Study

Mission Dam was chosen as a lower limit of study for the following reasons: (1) it was well beyond the downstream limit of study (City limits); and (2) due to the constriction and geometry of the dam, flows tend to flow at critical depth over the dam, thereby making this an ideal location to begin the analysis. This location also allows the computer to calculate the energy grade elevation and compute the corresponding normal depth water surface elevation prior to the City limits being reached.

For floodway computations, the beginning water surface elevation at the dam was taken to be the critical depth elevation plus the one foot rise allowed for floodway determination.

The upstream limit was chosen because it was well beyond the upstream City Limits and the river geometry is fairly consistent and channelized.

5.5 Effective Flow Area Option

Within the flooded areas along the channel reach, two types of areas are identified. These areas are termed "effective" and "ineffective" flow. "Ineffective" flow is used to describe areas which, although flooded, do not convey flow in the downstream direction. These ineffective areas represent areas of stagnant water obstructed by fill or structures either upstream or

downstream of the area noted. These areas, rather than providing flood carrying capacity, become low velocity eddies and cause additional head losses. The limits of flow separation between these areas is generally assumed to be a 1:1 taper at sudden contractions, and a 4:1 taper at expansions.

This type of flow generally occurs around bridges, although in the case of the San Diego River, it also occurs in many other areas because of the development along the river. There are areas of development that extend or obstruct flow along several reaches. These areas also have been modelled using the effective flow area option.

5.6 Summary of River Conditions

Mission Dam (Downstream limit of study)

Mission Dam was selected as downstream limit of study because of its location and effect upon the flow at this point. Located approximately 5000 feet below the City limits, the dam is a concrete and rock structure approximately 8 feet high on it's downstream side and spans the narrow gorge. A small pond is created behind the dam. The structure is approximately 5 feet wide at the crest and it has a narrow notch in it which keeps the pond at a fairly constant level for most of the year. The structure is in disrepair but still represents a substantial obstacle to flow. It was found that this was an excellent location to begin the analysis. The dam is enclosed on both sides by steep canyon walls that keep the water confined to the channel area. Because of the fairly constant cross section and slope, the computer can quickly estimate normal depth from the computed energy grade line to continue calculations upstream.

Between Mission Dam and Mast Boulevard
Sections 100 through 239

The area between the dam and Mast Boulevard is characterized as being a natural wildlife refuge with much vegetation and several ponds. Although levees and a low flow channel direct much of the low flow through this area so as to preserve and protect the wildlife and vegetation, larger flows will overtop all structures. The channel is congested with trees which provide habitat to the animals and birds in the area, but also tend to create a major obstruction to the floodwaters, causing the flow to spread to the overbank areas and create a wide floodplain ranging from 800' to 1500' in width.

This area is also being used as a mitigation area for Caltrans improvements. Several areas are being planted with trees and shrubs in an effort to offset the vegetation lost during construction of a local freeway through the area.

Although the floodplain is very wide, much of the flow in the overbank area does not have much velocity and tends to be in areas of "ineffective flow". Therefore, encroachments (either on "X3" or "ET" cards) were used to confine the flow to areas that would maintain a relatively smooth floodplain.

Mast Boulevard Bridge
Sections 240 through 244

Mast Boulevard Bridge is approximately 65' wide and 500' long. Because of the dense vegetation immediately upstream of the bridge, the piers beneath the bridge (each 1 foot wide) are all assumed to be clogged with 3' of debris on each side. It was found that the bridge is sufficient to handle all flood flows up to 100-year beneath the bridge. The 500-year flood would overflow all banks and cannot be contained within the channel or bridge.

This bridge was modelled using the "normal" bridge routine. The opening beneath this bridge is sufficient to contain the 100-year flow (both City and FEMA) within the channel abutments. The velocity beneath the bridge is approximately 6.4 feet per second (fps) with a depth of about 19 feet.

Encroachment cards, used upstream and downstream, confine flow to effective flow areas. These cards (X3 and/or ET) keep the flow from spreading into the overbanks in areas where stagnate and tend to eddy and not flow in the downstream direction.

Between Mast Blvd Bridge and Carlton Hills Blvd Bridge
Sections 245 through 355

This section of the river is characterized by dense growth along the channel bank consisting mainly of large trees and bushes. Situated along the channel and north side of the channel bank is the Carlton Hills Country Club and golf course. This area of the channel consists of large trees growing among the golf course fairways. The less dense growth along this side of the channel is shown in the lower roughness value.

Sycamore Creek joins the San Diego River between sections 300 and 320 along the northern side of the channel. Also joining the river near sections 310 and 320 along the southern bank is the Forester Creek. This creek is also currently under study for a revision to its floodplain and floodway. Both of these creeks are reflected by a change in the flow rate to the San Diego River.

The southern bank has been confined within the channel area also. The residential area along the southern bank has been considered an area of ineffective flow. Although some of the areas are mapped as wet, the area is considered ineffective to the movement of water in the downstream direction.

Carlton Hills Boulevard Bridge
Sections 356 through 358

Carlton Hills Boulevard Bridge is approximately 65' wide and 450' long. Because of the dense vegetation immediately upstream of the bridge, the piers beneath the bridge (each 1 foot wide) are all assumed to be clogged with 3' of debris on each side. This bridge is typical of a "perched" bridge, that is, the road leading to the crossing is lower than the bridge on both sides. The bridge is unable to handle flows above about 20,000 cfs. Any flow above this will overtop the banks and flow over the road. Similarly, the 500-year flood would overflow all banks and cannot be contained within the channel or bridge.

This is the one bridge along the channel that has been modelled using the "special" bridge routine as is outlined in the HEC-2 manual because the bridge capacity is subjected to pressure flow when the flow exceeds approximately 20,000 cfs.

Between Carlton Hills Blvd Bridge and Cuyamaca Bridge
Sections 360 through 420

Between sections 360 and 400, the main channel contains a dense growth of trees and underbrush. This characteristic has been modelled using higher roughness coefficients through this area. Upstream of section 420, the channel has been improved to a relatively constant trapezoidal shape with channel bottom vegetation. The natural condition slopes are about 2:1 and depth through the reach is about 15' with velocities in the range of about 5 fps. Both sides of the channel have been developed. Under construction on the north side of the channel are new residential units. Along the south side is located the Towne Center development, consisting mainly of commercial sites. Both sides of the channel are of elevation enough to keep the flow within channel banks for the FEMA flowrate, but are overtopped during the City flowrates.

100-year storm. Again here, the channel has a roughness coefficient that is higher on the channel bottom than on the sides or overbanks.

Cuyamaca Street Bridge
Sections 421 through 424

Cuyamaca Street Bridge is approximately 65' wide and 440' long. Here too, the piers beneath the bridge (each 1 foot wide) are all assumed to be clogged with 3' of debris on each side. It was found that the bridge is sufficient to handle all flood flows up to 100-year beneath the bridge. The 500-year flood would overflow all banks and cannot be contained within the channel or bridge.

This bridge is also modelled using the "normal" bridge routine. The channel beneath the crossing is large enough that the entire 100-year City flow can pass beneath it, although because of the constriction it creates, the velocities tend to be somewhat accelerated. Velocities through the bridge are approximately 11 to 12 fps. Both the 100-and 500-year floods will be backwatered by this bridge.

Between Cuyamaca Street and Magnolia Avenue
Sections 425 through 500

That portion of this reach between Cuyamaca Street and Chubb Lane is probably the least confined reach within the City. The 100-year floodplain is wide (around 3000') with velocities only around 5 fps. The slower velocities are partially due to the backwater behind Cuyamaca Street. The overbanks are vegetated with small brush and shrubs that would offer little resistance to flow during a major event.

Cottonwood Avenue/Chubb Lane Crossing

Located between Cuyamaca and Magnolia near section 485 is a low flow crossing known as Chubb Lane. This crossing is a raised "Arizona" crossing with several small pipes that handle only nuisance flows. When these pipes were field reviewed, they were partially filled with silt and debris and are considered useless for flow of any magnitude.

Magnolia Avenue Bridge
Section 507 through 510

Magnolia Avenue Bridge is approximately 65' wide and 485' long. The piers beneath this bridge (each 1 foot wide) are also assumed to be clogged with 3' of debris on each side. It was found that the bridge is sufficient to handle all

flood flows up to 100-year beneath the bridge. The 500-year flood would overflow all banks and cannot be contained within the channel or bridge.

This bridge crossing causes only minor slowing of the water as it progresses downstream. The bridge opening is of sufficient size to allow the entire 100-year City flow beneath it. The 500-year flow will overtop the crossing and cause substantial flooding. This bridge is also modelled using the "normal" bridge routine.

Between Magnolia Avenue Bridge and Upstream End of Study (Just downstream of Riverford Road Bridge)
Sections 515 through 640

This portion of the river is heavily mined for its' sand. Because of the lakes that have been created from the mining, the velocities through this reach are very low. The channel banks have trees and vegetation that would create very minor obstruction to the flow.

The backwater may lead to flooding to several of the overbank areas upstream. One of these areas, a trailer park along the southern bank, may not be able to drain the streets and would be subjected to local flooding until such time the elevation of the river recedes.

Although the channel becomes very narrow around section 582, the velocity remains fairly low because of the backwater from Magnolia Avenue. The area above section 584 becomes wider and the channel becomes much more vegetated. The roughness coefficients have been modified to reflect the increased vegetation.

5.7 500-year Water Surface Determination

Although the 500-year storm event is the same for both the City and FEMA runs, the 500-year water surface elevation has been computed using a separate input file since many of the encroachments required to designated areas of "ineffective" flow for the lesser storms, are not applicable to the 500-year storm.

5.8 Floodway Determination

The floodway is defined as that portion of the channel of a river or watercourse and adjacent land areas that must be reserved in order to

discharge the base flood without cumulatively increasing the water-surface elevation more than a designated height (1.0 foot) for a given flood event (100-year).

An equal-conveyance method encroachment was initially performed for both flowrates. After review and conversations with the City, BSI modified the floodway boundaries to meet the City's conditions.

The floodway was determined using the City's 100-year flowrate (established from Ordinance 204). An attempt was first made to keep the proposed floodway in a similar location to the existing FEMA floodway, but due to the higher flowrate, many of the increases in water surface elevation exceeded the 1.0 foot maximum rise.

By encroaching or backing off the proposed encroachment limit, the acceptable maximum of one foot rise in water surface elevation was obtained. All boundaries of the City floodway were adjusted to be within the 100-year FEMA floodplain boundaries.

In order to establish FEMA floodways that would be consistent with the higher flows referred to in City of Santee Ordinance 204, floodway boundaries for the FEMA 100-year flowrate were established by using the same encroachment limits for the FEMA flowrate as those determined for the City study. The rise in water surface elevation ranged from 0.0 to 0.9 feet.

Floodway data tables for both City and FEMA flowrate are included in Appendix A and B.

APPENDIX A

FLOODWAY DATA FOR THE SAN DIEGO RIVER USING 100 YEAR CITY FLOWRATES

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION		
CROSS SECTION	DISTANCE (FT)	WIDTH (FT)	SECTION AREA (SQ.FT.)	MEAN VELOCITY (FPS)	WITH FLOODWAY (NGVD)	WITHOUT FLOODWAY (NGVD)	DIFFERENCE (FT)
A	0	260	3048	16.4	283.5	282.5	1.0
B	45	300	3958	12.6	289.6	289.8	-0.2
C	100	340	5119	9.8	292.9	292.9	0.0
D	620	353	6995	7.1	301.1	300.4	0.7
E	1175	330	7642	6.5	305.5	304.5	1.0
F	1755	955	16977	2.9	306.9	306.0	0.9
G	2425	1445	20633	2.4	307.4	306.5	0.9
H	2745	1580	25770	1.9	307.5	306.6	0.9
I	3295	1455	24749	2.0	307.5	306.7	0.8
J	3800	1450	27001	1.9	307.6	306.7	0.9
K	4540	1605	28403	1.8	307.6	306.7	0.9
L	4930	1700	26517	1.9	307.7	306.9	0.8
M	4940	1700	18855	2.7	307.6	306.8	0.8
N	4950	1700	26618	1.9	307.8	306.9	0.9
O	5760	1585	20445	2.4	308.0	307.1	0.9
P	6250	1175	15347	3.3	308.1	307.3	0.8
Q	6670	670	9514	5.3	307.9	307.1	0.8
R	6900	494	8704	5.7	309.6	309.2	0.4
S	6910	492	7995	6.3	309.6	309.1	0.5
T	6975	492	8027	6.2	309.7	309.2	0.5
U	6985	510	8722	5.7	309.8	309.4	0.4
V	7150	650	12211	4.1	310.2	310.0	0.2
W	7890	910	13874	3.6	311.4	310.8	0.6
X	8915	610	7706	6.5	312.6	311.7	0.9
Y	9880	720	9131	5.4	315.4	314.8	0.6
Z	10920	1330	16409	3.0	317.3	316.5	0.8
AA	11590	1490	16405	3.0	317.8	317.0	0.8
AB	12235	1594	14616	3.4	318.2	317.5	0.7
AC	12895	1474	11648	4.2	318.9	318.2	0.7
AD	13505	1350	11963	4.1	319.8	319.2	0.6
AE	14255	1120	8450	5.8	321.6	320.7	0.9
AF	15035	880	9039	5.3	324.3	323.9	0.4
AG	15540	960	10270	4.7	325.6	325.2	0.4
AH	15820	970	9041	5.3	326.3	326.0	0.3
AI	16105	870	8036	6.0	327.3	327.0	0.3
AJ	16345	770	5993	8.0	328.7	328.4	0.3
AK	16420	790	5853	8.2	328.5	328.1	0.4
AL	16775	870	10063	4.8	330.4	329.9	0.5
AM	17120	1030	11378	4.2	331.0	330.6	0.4
AN	17440	1085	10946	4.4	331.4	331.0	0.4
AO	17960	890	9176	5.2	332.3	331.7	0.6
AP	18500	765	10960	4.4	333.5	332.9	0.6

APPENDIX A

FLOODWAY DATA FOR THE SAN DIEGO RIVER USING 100 YEAR CITY FLOWRATES

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION		
CROSS SECTION	DISTANCE (FT)	WIDTH (FT)	SECTION AREA (SQ.FT.)	MEAN VELOCITY (FPS)	WITH FLOODWAY (NGVD)	WITHOUT FLOODWAY (NGVD)	DIFFERENCE (FT)
AQ	19200	739	10498	4.6	334.3	333.6	0.7
AR	19980	745	11433	4.2	335.0	334.5	0.5
AS	20460	653	9766	4.9	335.4	334.9	0.5
AT	20835	440	4798	10.0	335.4	335.0	0.4
AU	20845	440	3736	12.8	334.9	334.4	0.5
AV	20910	442	4024	11.9	335.7	335.5	0.2
AW	20920	449	4490	10.7	336.4	336.2	0.2
AX	21145	850	8731	5.5	338.8	338.7	0.1
AY	21615	1000	7073	6.8	339.8	339.6	0.2
AZ	22160	1000	8002	5.7	341.6	340.6	1.0
BA	22690	1035	11174	4.1	342.2	341.2	1.0
BB	23130	980	11894	3.9	342.4	341.5	0.9
BC	23610	1005	7213	6.4	342.5	341.7	0.8
BD	23890	1021	3837	12.0	343.7	343.9	-0.2
BE	23990	1020	6117	7.5	346.3	346.0	0.3
BF	24105	1015	6096	7.5	347.0	346.6	0.4
BG	24115	1015	4585	10.0	346.6	346.3	0.3
BH	24125	1015	6724	6.8	347.6	347.0	0.6
BI	24300	1020	7949	5.8	348.4	347.6	0.8
BJ	24810	875	9155	4.9	349.0	348.4	0.6
BK	25280	484	5953	7.6	349.0	348.5	0.5
BL	25290	482	4862	9.3	348.8	348.2	0.6
BM	25355	484	4970	9.1	349.0	348.6	0.4
BN	25365	485	6250	7.2	349.6	349.1	0.5
BO	25640	690	12157	3.7	350.4	350.0	0.4
BP	26200	625	10329	4.4	350.4	350.0	0.4
BQ	26820	480	7296	6.2	350.4	350.0	0.4
BR	27100	410	6023	7.5	350.3	349.9	0.4
BS	27450	412	6286	7.2	350.7	350.3	0.4
BT	28100	520	6995	6.4	351.1	350.7	0.4
BU	28700	625	9221	4.9	351.7	351.3	0.4
BV	28980	710	10358	4.3	351.9	351.5	0.4
BW	29200	730	10850	4.1	352.0	351.7	0.3
BX	29480	535	7481	6.0	351.8	351.4	0.4
BY	29760	435	5692	7.9	351.5	351.1	0.4
BZ	29947	393	5777	7.8	351.9	351.5	0.4
CA	30147	385	6558	6.9	352.5	352.2	0.3
CB	30317	372	5884	7.6	352.4	352.1	0.3
CC	30647	465	6245	7.2	352.6	352.5	0.1
CD	30847	547	7613	5.9	353.2	352.8	0.4
CE	31052	495	7253	6.2	353.3	353.1	0.2
CF	31432	349	4916	9.2	353.0	352.8	0.2

APPENDIX A

FLOODWAY DATA FOR THE SAN DIEGO RIVER USING 100 YEAR CITY FLOWRATES

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION		
CROSS SECTION	DISTANCE (FT)	WIDTH (FT)	SECTION AREA (SQ.FT.)	MEAN VELOCITY (FPS)	WITH FLOODWAY (NGVD)	WITHOUT FLOODWAY (NGVD)	DIFFERENCE (FT)
CG	31662	235	2436	18.5	352.9	353.3	-0.4
CH	31812	335	5140	8.8	360.8	360.5	0.3
CI	32127	365	6987	6.4	363.6	363.4	0.2
CJ	32522	400	7534	6.0	365.7	365.6	0.1
CK	32787	370	7197	6.3	366.9	366.8	0.1
CL	33137	199	3798	11.8	368.4	368.3	0.1

APPENDIX B

FLOODWAY DATA FOR THE SAN DIEGO RIVER USING 100 YEAR FEMA FLOWRRATES

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION		
CROSS SECTION	DISTANCE (FT)	WIDTH (FT)	SECTION AREA (SQ.FT.)	MEAN VELOCITY (FPS)	WITH FLOODWAY (NGVD)	WITHOUT FLOODWAY (NGVD)	DIFFERENCE (FT)
A	0	260	2528	15.0	281.5	280.6	0.9
B	45	300	3355	11.3	287.6	288.0	-0.4
C	100	340	4367	8.7	290.7	290.8	-0.1
D	620	353	6049	6.3	298.4	298.0	0.4
E	1175	330	6659	5.7	302.5	301.9	0.6
F	1755	955	14197	2.7	304.0	303.4	0.6
G	2425	1379	16675	2.3	304.5	304.0	0.5
H	2745	1580	21190	1.8	304.6	304.1	0.5
I	3295	1455	20538	1.9	304.6	304.1	0.5
J	3800	1433	22814	1.7	304.7	304.2	0.5
K	4540	1605	23760	1.6	304.7	304.2	0.5
L	4930	1700	21632	1.8	304.8	304.4	0.4
M	4940	1700	13942	2.7	304.7	304.3	0.4
N	4950	1700	21754	1.7	304.9	304.4	0.5
O	5760	1585	15996	2.4	305.1	304.7	0.4
P	6250	1175	12128	3.1	305.3	304.9	0.4
Q	6670	670	7809	4.9	305.4	305.0	0.4
R	6900	494	7499	5.1	307.2	307.0	0.2
S	6910	492	6899	5.5	307.2	307.0	0.2
T	6975	492	6927	5.5	307.2	307.0	0.2
U	6985	510	7452	5.1	307.3	307.1	0.2
V	7150	650	10588	3.6	307.7	307.6	0.1
W	7890	910	11514	3.3	308.8	308.4	0.4
X	8915	610	6273	6.1	310.3	309.5	0.8
Y	9880	720	7571	4.9	313.2	312.9	0.3
Z	10920	1330	13483	2.7	315.1	314.7	0.4
AA	11590	1490	13176	2.8	315.7	315.2	0.5
AB	12235	1594	11398	3.2	316.1	315.7	0.4
AC	12895	1474	8993	4.1	317.0	316.7	0.3
AD	13505	1350	9717	3.8	318.2	317.8	0.4
AE	14255	1120	6902	5.4	320.2	319.5	0.7
AF	15035	880	7834	4.6	323.0	322.6	0.4
AG	15540	960	8832	4.1	324.1	323.8	0.3
AH	15820	970	7569	4.8	324.7	324.5	0.2
AI	16105	870	6717	5.4	325.8	325.6	0.2
AJ	16345	762	4872	7.4	327.3	327.1	0.2
AK	16420	772	4810	7.5	327.1	326.8	0.3
AL	16775	870	8648	4.2	328.7	328.5	0.2
AM	17120	1030	9643	3.7	329.3	329.0	0.3
AN	17440	1085	9114	3.9	329.7	329.4	0.3
AO	17960	890	7688	4.7	330.7	330.2	0.5
AP	18500	765	9618	3.7	331.8	331.2	0.6

APPENDIX B

FLOODWAY DATA FOR THE SAN DIEGO RIVER USING 100 YEAR FEMA FLOWRRATES

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION		
CROSS SECTION	DISTANCE (FT)	WIDTH (FT)	SECTION AREA (SQ.FT.)	MEAN VELOCITY (FPS)	WITH FLOODWAY (NGVD)	WITHOUT FLOODWAY (NGVD)	DIFFERENCE (FT)
AQ	19200	739	9125	3.9	332.4	331.9	0.5
AR	19980	745	9981	3.6	333.0	332.6	0.4
AS	20460	653	8476	4.2	333.4	333.0	0.4
AT	20835	440	3959	9.1	333.5	333.2	0.3
AU	20845	440	3089	11.7	333.1	332.8	0.3
AV	20910	442	3351	10.7	333.9	333.7	0.2
AW	20920	449	3462	10.4	334.1	333.9	0.2
AX	21145	850	6893	5.2	336.6	336.6	0.0
AY	21615	1000	5182	6.9	337.9	337.5	0.4
AZ	22160	1055	6473	5.3	340.2	339.6	0.6
BA	22690	1035	9641	3.5	340.7	340.2	0.5
BB	23130	980	10400	3.3	340.9	340.4	0.5
BC	23610	1005	5756	5.9	340.9	340.5	0.4
BD	23890	255	2461	13.8	340.8	340.2	0.6
BE	23990	1020	3565	9.5	343.6	343.8	-0.2
BF	24105	1015	4388	7.7	345.3	345.2	0.1
BG	24115	1015	3275	10.4	345.4	345.0	0.4
BH	24125	1015	5716	5.9	346.7	346.0	0.7
BI	24300	1020	6859	5.0	347.3	346.6	0.7
BJ	24810	875	8118	4.1	347.8	347.3	0.5
BK	25280	484	5402	6.1	347.8	347.3	0.5
BL	25290	482	4439	7.4	347.7	347.1	0.6
BM	25355	484	4507	7.3	347.9	347.3	0.6
BN	25365	485	5601	5.9	348.3	347.8	0.5
BO	25640	690	11093	3.0	348.8	348.4	0.4
BP	26200	625	9359	3.5	348.9	348.4	0.5
BQ	26820	480	6566	5.0	348.8	348.4	0.4
BR	27100	410	5409	6.1	348.8	348.4	0.4
BS	27450	412	5633	5.9	349.1	348.7	0.4
BT	28100	520	6101	5.4	349.4	349.0	0.4
BU	28700	625	8046	4.1	349.9	349.4	0.5
BV	28980	710	8990	3.7	350.0	349.6	0.4
BW	29200	730	9426	3.5	350.1	349.7	0.4
BX	29480	535	6486	5.1	349.9	349.5	0.4
BY	29760	435	4933	6.7	349.7	349.3	0.4
BZ	29947	393	5055	6.5	350.1	349.7	0.4
CA	30147	385	5780	5.7	350.5	350.2	0.3
CB	30317	372	5151	6.4	350.4	350.1	0.3
CC	30647	465	5292	6.2	350.6	350.4	0.2
CD	30847	547	6415	5.1	351.0	350.6	0.4
CE	31052	495	6176	5.3	351.1	350.8	0.3
CF	31432	349	4213	7.8	350.9	350.7	0.2

APPENDIX B

FLOODWAY DATA FOR THE SAN DIEGO RIVER USING 100 YEAR FEMA FLOWRRATES

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION		
CROSS SECTION	DISTANCE (FT)	WIDTH (FT)	SECTION AREA (SQ.FT.)	MEAN VELOCITY (FPS)	WITH FLOODWAY (NGVD)	WITHOUT FLOODWAY (NGVD)	DIFFERENCE (FT)
CG	31662	235	1986	16.6	351.0	351.1	-0.1
CH	31812	335	4224	7.8	358.0	358.0	0.0
CI	32127	365	5921	5.6	360.7	360.6	0.1
CJ	32522	400	6302	5.2	362.7	362.7	0.0
CK	32787	370	6047	5.5	363.8	363.8	0.0
CL	33137	199	3208	10.3	365.4	365.4	0.0

COMPARISON OF "N" VALUES USED ALONG THE SAN DIEGO RIVER

CROSS SECTION NUMBER	B.S.I. (1991) LT. RT. CH.	COUNTY (1982) LT. RT. CH.	R.C.P. (1988) LT. RT. CH.	BOYLE (1989) LT. RT. CH.	NOLTE (1990) LT. RT. CH.	P.D.C. (1990) LT. RT. CH.
	BEGIN STUDY	BEGIN STUDY				
100	0.08 0.08 0.18	.125 .125 .125				
110	.	.				
120	.	.				
140	v	.				
150	0.08 0.035 0.16	v				
160	VAR.(0.04 -0.08)	.035 .035 .045				
170	.	.				
180	VAR.(0.03 -0.08)	.	STUDY	STUDY	STUDY	STUDY
190	.	.				
200	VAR.(0.04-0.125)	.	DOES	DOES	DOES	DOES
209	.	.				
210	.	.	NOT	NOT	NOT	NOT
211	v	v				
220	0.04 0.04 0.20	.045 .10 .065	BEGIN	BEGIN	BEGIN	BEGIN
230	.	.				
239	.	.	UNTIL	UNTIL	UNTIL	UNTIL
240	v	.				
242	0.03 0.03 0.04	.	CROSS	CROSS	CROSS	CROSS
243	.	.				
244	0.04 0.055 0.14	.	SECTION	SECTION	SECTION	SECTION
245	.	.				
250	VAR.(0.04 -0.14)	.	490	360	355	360
260	VAR.(0.055-0.14)	v				
270	.					

COMPARISON OF "N" VALUES USED ALO..G THE SAN DIEGO RIVER (continued)

CROSS SECTION NUMBER	B.S.I. (1991) LT. RT. CH.	COUNTY (1982) LT. RT. CH.	R.C.P. (1988) LT. RT. CH.	BOYLE (1989) LT. RT. CH.	NOLTE (1990) LT. RT. CH.	P.D.C. (1990) LT. RT. CH.
280	VAR (0.055-0.14)	0.045 0.10 0.065				
285	0.06 0.055 0.14	.				
290	.	.				
300	VAR.(0.04 -0.14)	.				
310	0.04 0.055 0.14	.				
320	.	.				
330	0.06 0.06 0.085	.				
340	.	.	STUDY			
345	.	.			BEGIN STUDY	
355	.	.	DOES		0.11 0.045 0.10	
356	v	.			.	
358	0.06 0.03 0.04	v	NOT	BEGIN STUDY	.	BEGIN STUDY
360	0.06 0.085 0.085	0.065 0.06 0.055		0.065 0.055 0.065	.	0.06 0.085 0.05
370	.	0.05 0.04 0.04	BEGIN	.	.	.
380	.	.		.	.	.
390	v	v	UNTIL	v	.	v
400	0.04 0.04 0.075	0.04 0.04 0.04		VAR.(0.03-0.065)	v	0.045 0.045 0.04
410	VAR.(0.04-0.125)	.	CROSS	.	END STUDY	0.06 0.06 0.06
415	.	.		.		.
420	v	.	SECTION	.		0.045 0.045 0.045
421	0.04 0.04 0.05	.		.		.
422	0.04 0.04 0.03	.	490	.		0.04 0.04 0.04
423	.	.		.		.
424	VAR.(0.04-0.125)	.		.		v
425	.	v		v		0 06 0.06 0.05

COMPARISON OF "N" VALUES USED ALONG THE SAN DIEGO RIVER (continued)

CROSS SECTION NUMBER	B.S.I. (1991) LT. RT. CH.	COUNTY (1982) LT. RT. CH.	R.C.P. (1988) LT. RT. CH.	BOYLE (1989) LT. RT. CH.	NOLTE (1990) LT. RT. CH.	P.D.C. (1990) LT. RT. CH.
430	VAR(0.045-.125)	0.04 0.04 0.04		END OF STUDY		0.06 0.06 0.05
440	.	.				.
450	VAR(0.03 -0.125)	.				.
460	.	.				v
470	VAR(0.045-.125)	.				END OF STUDY
480	VAR.(0.45 -0.10)	.				
483	.	.				
484	0.045 0.045 0.07	.				
485	.	.	BEGIN STUDY			
486	v	.				
490	VAR(0.025-.125)	.	0.06 0.06 0.05			
500	VAR(0.03 -.125)	.	.			
507	.	.	.			
508	0.04 0.04 0.03	.	.			
509	.	.	v			
510	VAR(0.03-.125)	.	0.06 0.06 0.035			
515	.	.	.			
520	v	.	.			
530	VAR(0.03 - 0.10)	.	.			
535	.	.	.			
540	v	.				
550	VAR.(0.03-0.125)	.	.			
560	.	v	v			

COMPARISON OF "N" VALUES USED ALONG THE SAN DIEGO RIVER (continued)

CROSS SECTION NUMBER	B.S.I. (1991) LT. RT. CH.	COUNTY (1982) LT. RT. CH.	R.C.P. (1988) LT. RT. CH.	BOYLE (1989) LT. RT. CH.	NOLTE (1990) LT. RT. CH.	P.D.C. (1990) LT. RT. CH.
562	VAR(0.03 -0.10)	0.04 0.04 0.04	0.06 0.06 0.035			
564	VAR(0.03 -.125)	.	.			
566	0.085 0.06 0.03	.	.			
570	.	.	.			
572	.	.	.			
574	.	.	.			
576	.	.	.			
582	.	.	.			
584	.	.	.			
586	.	.	.			
592	v	.	.			
594	0.085 0.065 0.125	.	.			
600	0.075 0.065 0.125	.	.			
610	.	.	.			
620	.	.	.			
630	.	.	.			
640	v	v	v			
	END OF STUDY	END OF STUDY	END OF STUDY			

APPENDIX D

SUMMARY OF COORDINATION

July 18, 1990
The City of Santee and BSI meet to establish criteria for the study. Items such as roughness coefficients, flow rates, availability of existing reports and digital data, and limits of analysis are discussed.

December 19, 1990
BSI forwards a "Letter of Intent" to the City for transmittal to FEMA informing them of our intentions and requesting any information they may have necessary for us to complete the study.

December 1990
The City of Santee provides BSI with various studies and reports for review and inclusion into the study.

January 1991
BSI personnel field review the entire study reach. An inventory of channel and overbank roughness conditions is noted photographically. The photos taken will be used to produce a pictorial representation of the current roughness conditions along the reach. This information is intended to supplement the report and computer runs.

February 8, 1991
A meeting between the City of Santee and BSI was held to discuss the progress of the analysis. Preliminary analyses and existing 200 scale mapping were shown to the City to identify the extent of the 500-year boundary so that updated mylars of the newly flown mapping could be ordered from the photogrammetrist.

BSI indicated that there were several areas where the 500-year boundary extends beyond the limits of the new mapping. The City requested that BSI contact FEMA to determine what mapping should be used in these areas.

February 8, 1991
BSI contacted FEMA and spoke with David Greenwood (703-838-0400). He indicated that the floodplain should be shown on the best available mapping. He also gave BSI several additional names to call should further questions arise:

-at FEMA,	Alan Johnson (202) 646-3403
-at BAKER ENGINEERS	Massoud Rezakhani (703) 838-0400

BSI contacted the City and informed them that the current 200 scale topographic mapping would be used to fill in those areas beyond limits of the newly flown 100 scale mapping.

March 22, 1991

BSI submitted a copy of the Roughness Coefficients Supplemental Report and a preliminary mapping of the 500-year boundary to the City of Santee for their review and comment before ordering the necessary mapping.

April 16, 1991

The City responds to BSI's submittal. The City requested that we provide a tabular comparison of the "n" values selected for use in this analysis to those used in previous studies. They also requested that BSI look into warning note 3302 "Conveyance Change Outside of Acceptable Range" that appears on many of the cross sections. The City indicates that the 500-year mapping appears adequate for determining the limits of orthophoto coverage needed.

April 18, 1991

BSI contacted the USGS office in Santee (557-5155) and spoke to Al Caldweld. Information regarding the gaging station at Mast Boulevard was requested. It was hoped that this information could be used to prepare a calibration run for the river. Mr. Caldweld then informed us that no significant data had been collected since the storm season of 1985 and that the data collected was useless for our application for several reasons. He cited the location of the gaging station to the bridge, the uneven bottom, water flowing parallel to the bridge, and the substantial backwater effects from the dense vegetation immediately downstream of the bridge. He mentioned that the USGS was considering moving the station for all these reasons.

April 18, 1991

BSI contacted Dodson and Associates to discuss the appearance of the "Error 3302" note prevalent throughout the HEC-2 computer runs. Mr. Dodson referenced the ProHec2 Manual and indicated that the more recent version of the manual is even bolder in stating that the note cannot always be gotten rid of. We discussed the particulars of the San Diego River with him and he felt that (based on the information provided over the phone) the reach lengths used (typically 300-500 feet apart) were sufficient to describe channel geometry for a river of this size.

He again noted that the statement is just a warning to call your attention to possible problems.

May 7, 1991
BSI orders the mylar mapping from Airborne Systems. They indicate approximately a four to six week turnaround time.

May 10, 1991
BSI sends the additional information to the City as requested in their April 16, 1991 review. The City is supplied with a tabular comparison of "n" values and a discussion of the trend toward higher values as the studies become newer. BSI also responds to the comment regarding the warning note 3302 and the inability to provide a calibration run because of insufficient gaging data.

July 3, 1991
BSI submits a review set of materials to the City for review and comment. Items include:

- blueline set of floodplain maps for City and FEMA flowrates
- multiple profile HEC2 runs for City and FEMA flowrates including floodway
- blueline of cross sections and stream channel profile
- Draft FEMA report

December 19, 1991
The City returns the July package along with extensive comments. They are requesting a much more detailed report be submitted. They also request certain items be addressed in the computer runs. Most comments requested changes to the floodway boundary lines.

March 3, 1992
BSI staff met with the City of Santee to discuss the comments from December and to establish a time frame for future submittals and reviews. It is agreed upon that BSI will maintain a close communication with the City to complete this project as rapidly as possible.

March 11, 1992
BSI met with the City to discuss the results of making the changes to the floodway as requested by the City. The City has requested that the FEMA floodway mirror the "ultimate" flowrate used in the City runs.

March 23, 1992
BSI Submits completed draft of materials incorporating December 19, 1991, review comments include:

- blueline set of floodplain maps for City and FEMA flowrates
- Multiple profile HEC2 runs for City and FEMA flowrates including floodway

- blueline of cross sections and stream channel profile
- Revised draft FEMA report

April 14, 1992

City returns March 23 package along with additional comments. Requests made for additional floodplain modeling revisions as well as report modifications.

June 22, 1992

BSI staff met with City to discuss unresolved City comments. Consensus made on modeling techniques that will assist in rapid completion.

APPENDIX E

Cross Reference Between Cross Section Number and Alpha Cross Section Identifiers

Cross Section Number	Alpha Identifiers
100	A
110	B
120	C
130	D
140	E
150	F
160	G
170	H
180	I
190	J
200	K
209	L
210	M
211	N
220	O
230	P
239	Q
240	R
242	S
243	T
244	U
245	V
250	W
260	X
270	Y
280	Z
285	AA
290	AB
300	AC
310	AD
320	AE
330	AF
340	AG

APPENDIX "E"
(continued)

Cross Section Number	Alpha Identifiers
345	AH
355	AI
356	AJ
358	AK
360	AL
370	AM
380	AN
390	AO
400	AP
410	AQ
415	AR
420	AS
421	AT
422	AU
423	AV
424	AW
425	AX
430	AY
440	AZ
450	BA
460	BB
470	BC
480	BD
483	BE
484	BF
485	BG
486	BH
490	BI
500	BJ
507	BK
508	BL
509	BM
510	BN
515	BO
520	BP
530	BQ

APPENDIX "E"
(continued)

Cross Section Number	Alpha Identifiers
535	BR
540	BS
550	BT
560	BU
562	BV
564	BW
566	BX
570	BY
572	BZ
574	CA
576	CB
582	CC
584	CD
586	CE
592	CF
594	CG
600	CH
610	CI
620	CJ
630	CK
640	CL

APPENDIX F

REFERENCE DOCUMENTS

1. SAN DIEGO COUNTY HEC-2 RUN (1982)

2. MAST PARK CHANNEL EVALUATION
   (HEC-2 RUN - NOLTE 6/90)

3. MISSION CREEK HEC-2 RUN
   (PROJECT DESIGN CONSULTANTS 10/90)

4. HYDROLOGICAL EVALUATION OF RCP RECLAMATION PLAN
   (CHANG 12/88)

5. LA JOLLA - PACIFIC SANTEE PROJECT
   (BOYLE ENGINEERING CORP 3/89)

6. HYDRAULIC STUDIES - MAGNOLIA BRIDGE REPAIR
   (GROUP DELTA CONSULTANTS, INC. 12/87)

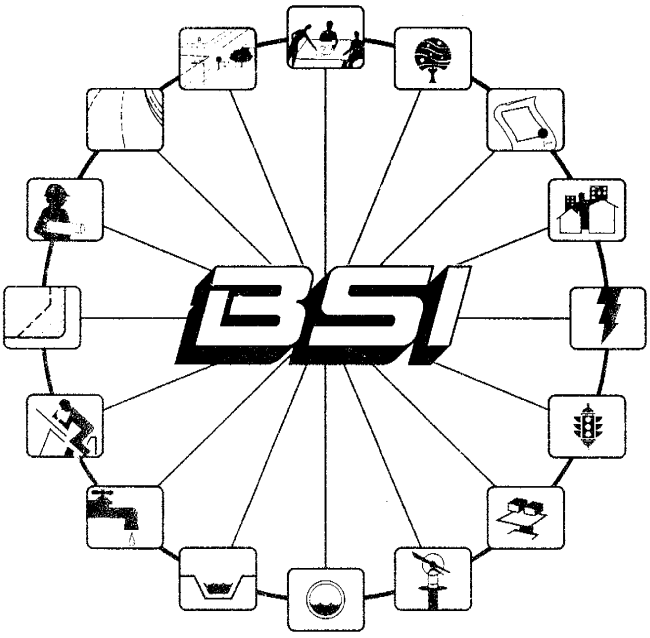
7. AS-BUILT PLANS OF:
   MAST BRIDGE
   CARLTON HILLS BRIDGE
   CUYAMACA BRIDGE
   MAGNOLIA BRIDGE

8. CITY OF SANTEE ORDINANCE NO. 204

9. HEC-2 WATER SURFACE PROFILES USERS MANUAL
   (U.S. ARMY CORPS OF ENGINEERS, SEPTEMBER 1982)

10. PROHEC-2 PROGRAM DOCUMENTATION
    (DODSON & ASSOCIATES,INC., APRIL 1991)

11. OPEN-CHANNEL HYDRAULICS, BY VEN TE CHOW



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ROUGHNESS COEFFICIENTS

SUPPLEMENTAL REPORT FOR THE SAN DIEGO RIVER FLOODPLAIN ANALYSIS

WITHIN THE CITY OF SANTEE SANTEE, CALIFORNIA

July 1992

ROUGHNESS COEFFICIENTS

SUPPLEMENTAL REPORT
FOR THE
SAN DIEGO RIVER FLOODPLAIN ANALYSIS

This report is prepared as a supplement to the San Diego River Floodplain Analysis for the preparation of a Letter of Map Revision. This report provides a visual backup of the current roughness conditions governing the flow of the San Diego River.

The current Federal Emergency Management Agency study in effect uses Manning's roughness coefficients that reflect the much younger vegetal conditions that existed when that study was done in 1982. Since that item, the river has undergone many changes, including encroachment, sedimentation, and maturation of the vegetal growth. The vegetal growth has been extensive enough that in many reaches of the channel, the low flow channel is clogged with brush, causing much of the floodflows to use the overbanks for conveyance.

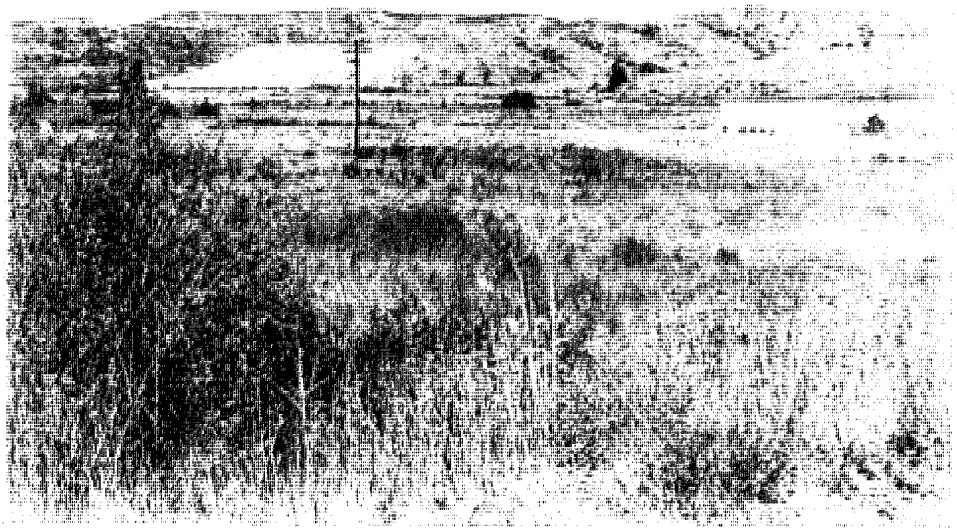
The photos taken in this supplement were taken in February 1991. They represent the conditions that are represented in the current revision. They can also serve as historical representation of the channel growth for future years.

1. LOOKING UPSTREAM AT MISSION DAM
TYPICAL SECTIONS 100 - 140
LEFT OVERBANK "N"= 0.08 CHANNEL "N"= 0.18 RIGHT OVERBANK "N"= 0.08

2. LOOKING WEST AT CAL TRANS MITIGATION LANDS
TYPICAL SECTIONS 180 - 200
OVERBANKS "N"= 0.04 - 0.08 CHANNEL "N"= 0.03

3. LOOKING WEST AT CAL TRANS MITIGATION LANDS
TYPICAL SECTIONS 180 - 200
OVERBANKS "N"= 0.04 - 0.08 CHANNEL "N"= 0.03

4. LOOKING DOWNSTREAM FROM MAST BRIDGE - CHANNEL
TYPICAL SECTIONS 220 - 240
CHANNEL "N"= 0.20



5. LOOKING DOWNSTREAM FROM MAST BRIDGE - RIGHT OVERBANK
TYPICAL SECTIONS 220 - 240
RIGHT OVERBANK "N"= 0.04

6. LOOKING UPSTREAM FROM MAST BRIDGE - LEFT OVERBANK
TYPICAL SECTIONS 244 - 320
LEFT OVERBANK "N"= 0.04 - 0.06

7. LOOKING UPSTREAM FROM MAST BRIDGE - CHANNEL
TYPICAL SECTIONS 244 - 320
CHANNEL "N"= 0.14

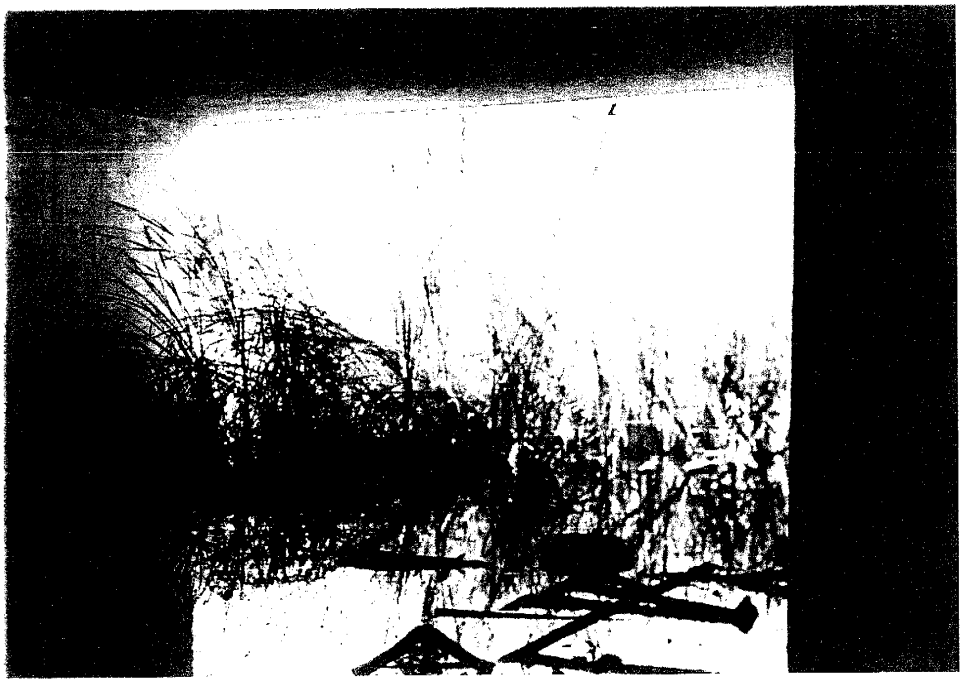
8. LOOKING UPSTREAM FROM MAST BRIDGE - RIGHT OVERBANK
TYPICAL SECTIONS 244 - 320
RIGHT OVERBANK "N"= 0.055

9. LOOKING DOWNSTREAM AT THE GOLFCOURSE - RIGHT OVERBANK
TYPICAL SECTIONS 244 - 320
RIGHT OVERBANK "N"= 0.055

10. LOOKING DOWNSTREAM AT THE GOLFCOURSE - RIGHT OVERBANK
TYPICAL SECTIONS 244 - 320
RIGHT OVERBANK "N"= 0.055

11. LOOKING SOUTH AT CHANNEL BETWEEN GOLF COURSE AND CARLTON HILLS BLVD.
TYPICAL SECTIONS 330 - 356
LEFT OVERBANK "N"= 0.06 CHANNEL "N"= 0.085 RIGHT OVERBANK "N"= 0.06

12. LOOKING UPSTREAM AND CARLTON HILLS BLVD. BRIDGE - RIGHT OVERBANK
TYPICAL SECTIONS 330 - 356
RIGHT OVERBANK "N"= 0.06



13. LOOKING UPSTREAM UNDER CARLTON HILLS BLVD BRIDGE - CHANNEL TYPICAL SECTIONS 356 - 358

14. LOOKING SOUTH AT CHANNEL UPSTREAM OF CARLTON HILLS BLVD TYPICAL SECTIONS 360 - 390
LEFT OVERBANK "N"= 0.06 CHANNEL "N"= 0.085 RIGHT OVERBANK "N"= 0.085

15. LOOKING WEST AT RIGHT OVERBANK UPSTREAM OF CARLTON HILLS BLVD
TYPICAL SECTIONS 360 - 390
RIGHT OVERBANK "N"= 0.085

16. LOOKING SOUTHWEST AT CHANNEL DOWNSTREAM OF CUYAMACA ST
TYPICAL SECTIONS 400 - 421
CHANNEL "N"= 0.05 - 0.125

17. LOOKING UPSTREAM AT CUYAMACA ST BRIDGE - RIGHT OVERBANK
TYPICAL SECTIONS 400 - 421
RIGHT OVERBANK "N"= 0.04

18. LOOKING UPSTREAM AT CUYAMACA ST BRIDGE - CHANNEL
TYPICAL SECTIONS 422 - 423

19. LOOKING DOWNSTREAM AT CUYAMACA ST BRIDGE - LEFT OVERBANK
TYPICAL SECTIONS 424 - 460
LEFT OVERBANK "N"= 0.04 - 0.055

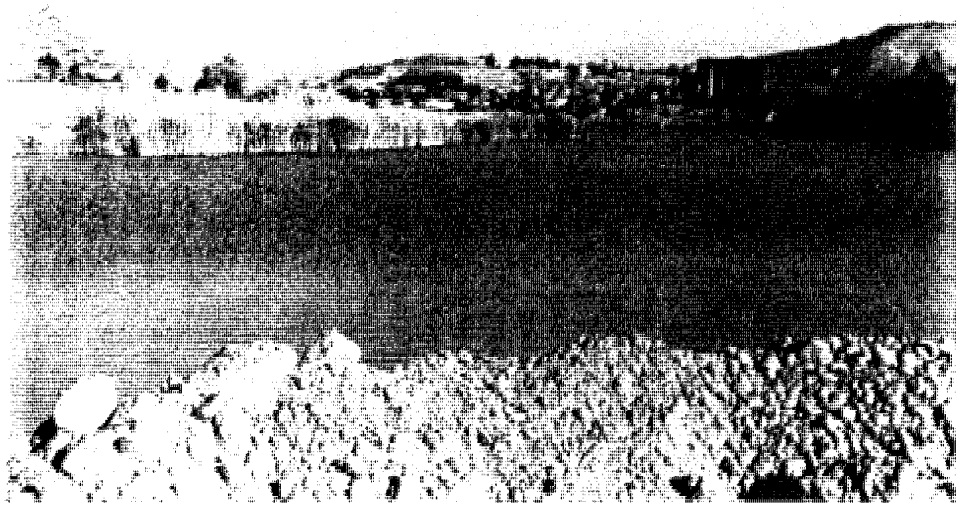
20. LOOKING UPSTREAM FROM CUYAMACA ST BRIDGE - CHANNEL
TYPICAL SECTIONS 424 - 440
CHANNEL "N"= 0.05 - 0.075

21. LOOKING UPSTREAM BETWEEN CUYAMACA ST & MAGNOLIA AV - LEFT OVERBANK
TYPICAL SECTIONS 424 - 460
LEFT OVERBANK "N"= 0.04 - 0.055

22. LOOKING UPSTREAM BETWEEN CUYAMACA ST & MAGNOLIA AV - CHANNEL
TYPICAL SECTIONS 440 - 460
CHANNEL "N"= 0.03 - 0.075

23. LOOKING DOWNSTREAM FROM CHUBB LN - CHANNEL
TYPICAL SECTIONS 470 - 483
CHANNEL "N"= 0.10

24. LOOKING DOWNSTREAM FROM RCB PROPERTY (UPSTREAM FROM MAGNOLIA AV)
TYPICAL SECTIONS 515 - 562
OVERBANKS "N"= 0.04 - 0.06 CHANNEL "N"= 0.03

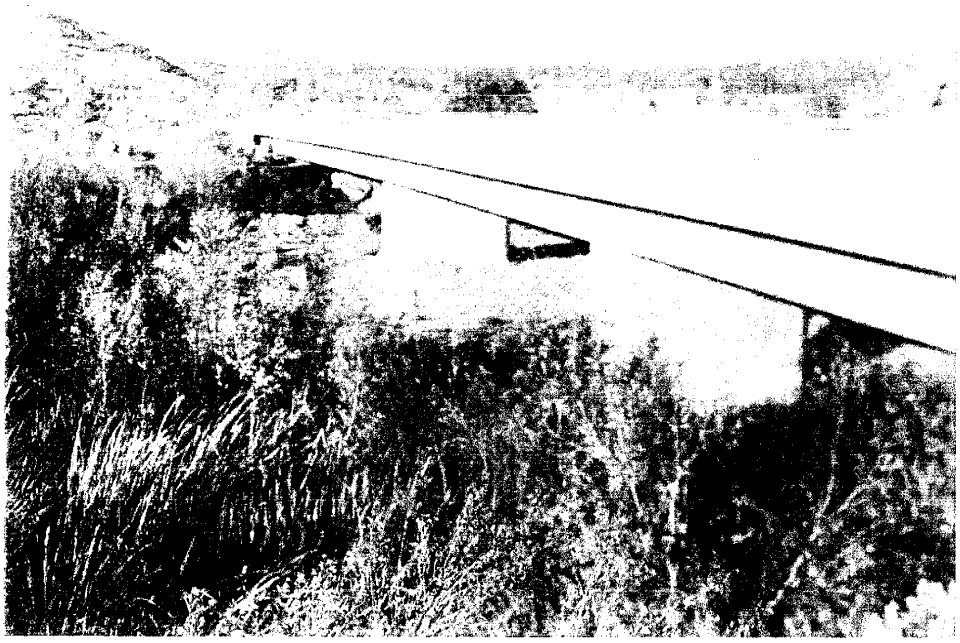


25. LOOKING UPSTREAM FROM RCB PROPERTY
TYPICAL SECTIONS 566 - 592
LEFT OVERBANK "N"= 0.085 CHANNEL "N"= 0.03 RIGHT OVERBANK "N"= 0.06

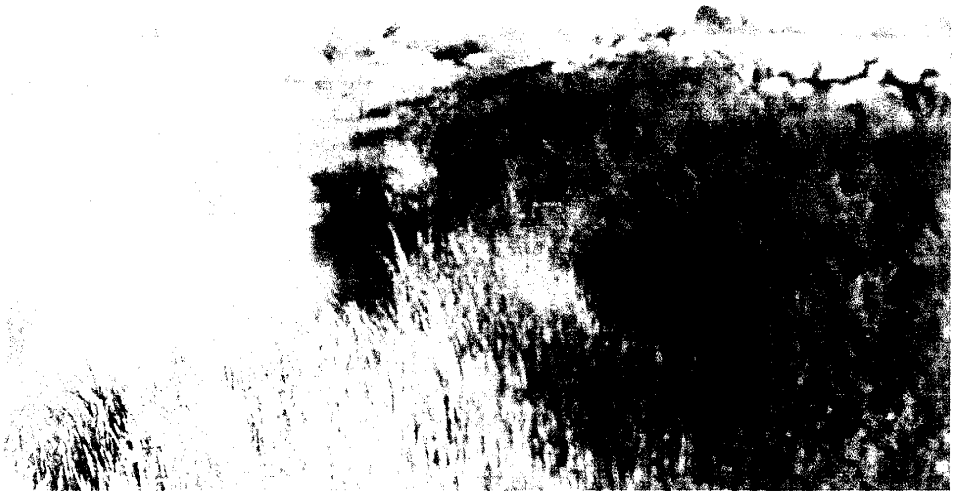
26. LOOKING UPSTREAM FROM RCB PROPERTY
TYPICAL SECTIONS 566 - 592
LEFT OVERBANK "N"= 0.085 CHANNEL "N"= 0.03 RIGHT OVERBANK "N"= 0.06

27. LOOKING UPSTREAM FROM RCB PROPERTY - RIGHT OVERBANK
TYPICAL SECTIONS 566 - 592
RIGHT OVERBANK "N"= 0.06

28. LOOKING DOWNSTREAM FROM RIVERFORD RD - LEFT OVERBANK
TYPICAL SECTIONS 594 - 660
LEFT OVERBANK "N"= 0.75 CHANNEL "N"= 0.125 RIGHT OVERBANK "N"= 0.065



29. LOOKING UPSTREAM AT RIVERFORD BRIDGE



30. LOOKING UPSTREAM FROM RIVERFORD BRIDGE

BACKUP DATA
COWEN EQUATION FOR MANNING'S ROUGHNESS "N"

PHOTO 1

LEFT AND RIGHT OVERBANK

MATERIAL INVOLVED	- EARTH		0.020
DEGREE OF IRREGULARITY	- MINOR		0.005
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING	OCCASIONALLY	0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- APPRECIABLE		0.030
VEGETATION	- MEDIUM		0.020
		TOTAL "N"=	0.080

CHANNEL

MATERIAL INVOLVED	- EARTH		0.020
DEGREE OF IRREGULARITY	- MINOR		0.005
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING	OCCASIONALLY	0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- SEVERE		0.050
VEGETATION	- VERY HIGH		0.100
		TOTAL "N"=	0.180

PHOTO 2

LEFT AND RIGHT OVERBANKS

MATERIAL INVOLVED	- EARTH		0.020
DEGREE OF IRREGULARITY	- MINOR		0.005
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING	OCCASIONALLY	0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- APPRECIABLE		0.020
VEGETATION	- HIGH		0.030
		TOTAL "N"=	0.080

PHOTO 3

LEFT AND RIGHT OVERBANK

MATERIAL INVOLVED	- EARTH		0.020
DEGREE OF IRREGULARITY	- MINOR		0.005
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING	OCCASIONALLY	0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- APPRECIABLE		0.020
VEGETATION	- HIGH		0.030
		TOTAL "N"=	0.080

PHOTO 4

CHANNEL

MATERIAL INVOLVED	- FINE GRAVEL		0.024
DEGREE OF IRREGULARITY	- MODERATE		0.010
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING	FREQUENTLY	0.010
RELATIVE EFFECT OF OBSTRUCTIONS	- SEVERE		0.060
VEGETATION	- VERY HIGH		0.100
		TOTAL "N"=	0.200

PHOTO 5

RIGHT OVERBANK

MATERIAL INVOLVED	- EARTH	0.020
DEGREE OF IRREGULARITY	- SMOOTH	0.000
VARIATIONS OF CHANNEL CROSS SECTION	- GRADUAL	0.000
RELATIVE EFFECT OF OBSTRUCTIONS	- MINOR	0.010
VEGETATION	- LOW	0.010
	TOTAL "N"=	0.040

PHOTO 6

LEFT OVERBANK

MATERIAL INVOLVED	- EARTH	0.020
DEGREE OF IRREGULARITY	- MINOR	0.005
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY	0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- MINOR	0.010
VEGETATION	- LOW	0.010
	TOTAL "N"=	0.050

PHOTO 7

CHANNEL

MATERIAL INVOLVED	- EARTH	0.020
DEGREE OF IRREGULARITY	- MINOR	0.005
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY	0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- SEVERE	0.040
VEGETATION	- VERY HIGH	0.070
	TOTAL "N"=	0.140

PHOTOS 8 - 10

RIGHT OVERBANK

MATERIAL INVOLVED	- EARTH	0.020
DEGREE OF IRREGULARITY	- MODERATE	0.010
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY	0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- MINOR	0.010
VEGETATION	- MEDIUM	0.010
	TOTAL "N"=	0.055

PHOTO 11

LEFT AND RIGHT OVERBANK

MATERIAL INVOLVED	- EARTH	0.020
DEGREE OF IRREGULARITY	- MINOR	0.005
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY	0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- MINOR	0.010
VEGETATION	- MEDIUM	0.020
	TOTAL "N"=	0.060

CHANNEL

MATERIAL INVOLVED	- EARTH	0.020
DEGREE OF IRREGULARITY	- MODERATE	0.010
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY	0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- APPRECIABLE	0.020
VEGETATION	- HIGH	0.030
	TOTAL "N"=	0.085

PHOTO 12

RIGHT OVERBANK

MATERIAL INVOLVED	- EARTH	0.020
DEGREE OF IRREGULARITY	- MINOR	0.005
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY	0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- MINOR	0.010
VEGETATION	- MEDIUM	0.020
	TOTAL "N"=	0.060

PHOTO 14

LEFT OVERBANK

MATERIAL INVOLVED	- EARTH	0.020
DEGREE OF IRREGULARITY	- MINOR	0.005
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY	0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- MINOR	0.010
VEGETATION	- MEDIUM	0.020
	TOTAL "N"=	0.060

CHANNEL

MATERIAL INVOLVED	- EARTH	0.020
DEGREE OF IRREGULARITY	- MODERATE	0.010
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY	0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- APPRECIABLE	0.020
VEGETATION	- HIGH	0.030
	TOTAL "N"=	0.085

RIGHT OVERBANK

MATERIAL INVOLVED	- EARTH	0.020
DEGREE OF IRREGULARITY	- MODERATE	0.010
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY	0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- APPRECIABLE	0.020
VEGETATION	- HIGH	0.030
	TOTAL "N"=	0.085

PHOTO 15

RIGHT OVERBANK

MATERIAL INVOLVED	- EARTH	0.020
DEGREE OF IRREGULARITY	- MODERATE	0.010
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY	0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- APPRECIABLE	0.020
VEGETATION	- HIGH	0.030
	TOTAL "N"=	0.085

PHOTO 17

RIGHT OVERBANK

MATERIAL INVOLVED	- EARTH	0.020
DEGREE OF IRREGULARITY	- SMOOTH	0.000
VARIATIONS OF CHANNEL CROSS SECTION	- GRADUAL	0.000
RELATIVE EFFECT OF OBSTRUCTIONS	- MINOR	0.010
VEGETATION	- LOW	0.010
	TOTAL "N"=	0.040

PHOTO 19

LEFT OVERBANK

MATERIAL INVOLVED	- EARTH		0.020
DEGREE OF IRREGULARITY	- MINOR		0.005
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY		0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- MINOR		0.010
VEGETATION	- LOW		0.010
		TOTAL "N"=	0.050

PHOTO 20

CHANNEL

MATERIAL INVOLVED	- EARTH		0.020
DEGREE OF IRREGULARITY	- MINOR		0.005
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY		0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- APPRECIABLE		0.020
VEGETATION	- HIGH		0.025
		TOTAL "N"=	0.075

PHOTO 21

LEFT OVERBANK

MATERIAL INVOLVED	- EARTH		0.020
DEGREE OF IRREGULARITY	- MINOR		0.005
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY		0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- MINOR		0.010
VEGETATION	- LOW		0.010
		TOTAL "N"=	0.050

PHOTO 23

CHANNEL

MATERIAL INVOLVED	- EARTH		0.020
DEGREE OF IRREGULARITY	- MINOR		0.005
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY		0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- APPRECIABLE		0.030
VEGETATION	- HIGH		0.040
		TOTAL "N"=	0.100

PHOTO 24

LEFT AND RIGHT OVERBANK

MATERIAL INVOLVED	- FINE GRAVEL		0.024
DEGREE OF IRREGULARITY	- MINOR		0.005
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING FREQUENTLY		0.010
RELATIVE EFFECT OF OBSTRUCTIONS	- MINOR		0.010
VEGETATION	- MEDIUM		0.010
		TOTAL "N"=	0.060

PHOTO 25

LEFT OVERBANK

MATERIAL INVOLVED	- ROCK CUT		0.025
DEGREE OF IRREGULARITY	- SEVERE		0.020
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY		0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- APPRECIABLE		0.025
VEGETATION	- LOW		0.010
		TOTAL "N"=	0.085

PHOTO 26

RIGHT OVERBANK

MATERIAL INVOLVED	- EARTH		0.020
DEGREE OF IRREGULARITY	- MINOR		0.005
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY		0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- MINOR		0.010
VEGETATION	- MEDIUM		0.020
		TOTAL "N"=	0.060

PHOTO 27

RIGHT OVERBANK

MATERIAL INVOLVED	- EARTH		0.020
DEGREE OF IRREGULARITY	- MODERATE		0.010
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY		0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- APPRECIABLE		0.020
VEGETATION	- LOW		0.005
		TOTAL "N"=	0.060

PHOTO 28

LEFT OVERBANK

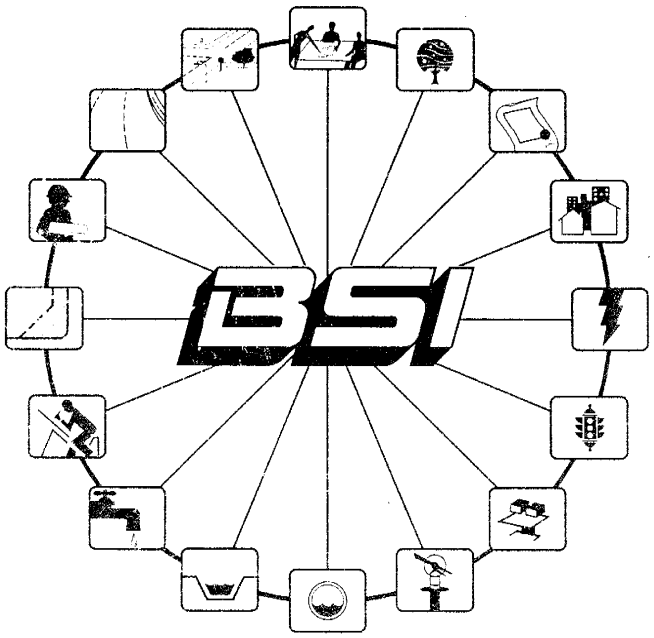
MATERIAL INVOLVED	- EARTH		0.020
DEGREE OF IRREGULARITY	- MODERATE		0.010
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY		0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- APPRECIABLE		0.020
VEGETATION	- MEDIUM		0.020
		TOTAL "N"=	0.075

CHANNEL

MATERIAL INVOLVED	- EARTH		0.020
DEGREE OF IRREGULARITY	- MINOR		0.005
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY		0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- SEVERE		0.040
VEGETATION	- VERY HIGH		0.055
		TOTAL "N"=	0.125

RIGHT OVERBANK

MATERIAL INVOLVED	- EARTH		0.020
DEGREE OF IRREGULARITY	- MODERATE		0.010
VARIATIONS OF CHANNEL CROSS SECTION	- ALTERNATING OCCASIONALLY		0.005
RELATIVE EFFECT OF OBSTRUCTIONS	- MINOR		0.015
VEGETATION	- MEDIUM		0.015
		TOTAL "N"=	0.065



BSI Consultants, Inc.

CITY OF SANTEE
PUBLIC WORKS DEPARTMENT

PRELIMINARY

PROCEDURE FOR DESIGN OF STORM DRAINS OUTLETTING IN THE SAN DIEGO RIVER

MARCH 22,1991

PRELIMINARY
CITY OF SANTEE
PROCEDURE FOR
DESIGN OF STORM DRAINS OUTLETTING INTO THE SAN DIEGO RIVER
MARCH 22, 1991

PURPOSE

Stormdrains that outlet into the San Diego River are affected by the depth and velocity of flows in the River at the point of connection. Normally, stormdrains are designed for a 100 year storm. Because of widely different times of concentration for river flows and side channel flows, the river and side channel will peak at different times. Stormdrains should be studied for the peak 100 year flow in the drain and also for the flow when the river is at peak depth. The stormdrain should be designed for the most critical of the two conditions.

HYDROLOGY STUDIES

Hydrologic studies shall be in accordance to procedures described in the City of Santee Public Works Standards Manual. The City's Isopluvial map shall be used to determine the precipitation for the 100 year frequency 6 hour design storm. Intensity calculations shall be based on the formula: $I = 7.44\ P_6 DA^{(-0.645)}$

100 YEAR PEAK STORM IN SIDE CHANNEL

Hydraulic calculations using the 100 year peak side channel storm flow shall be based on the depth and velocity of flow in the San Diego River based on a 10 year river flow plus two feet. The peak (10 year) discharges in the river, (based on Ordinance No. 204) at various locations are listed below. Flows at connections between these locations shall use the flow for the upper location.

Mile Station	Location	10 Year Peak Discharge (Cubic feet per second)
15.3	Mission Dam	5,500
13.2	0.7 Mile down stream from Sycamore Creek	5,000
12.5	Forester Creek Confluence	4,500
11.4	0.2 Miles upstream from Cuyamaca Street	3,800
10.9	Cottonwood Avenue	3,500
9.5	East City Limits	3,500

100 YEAR PEAK STORM IN SAN DIEGO RIVER

Hydrology calculations for the side channel shall be adjusted before calculating the hydraulic grade line for the condition when the San Diego River is at design flow. The outlet flow shall be adjusted based on the ratio of the rainfall intensites as determined by time of concentration. This ratio shall be used to adjust all upstream pipe flows before making pipe hydraulic calculations. The downstream hydraulic gradeline shall be based on the 100 year peak discharge in the river (based on Ordinance No. 204). The San Diego River 100 year flow, time of concentration and intensity for a 6 hour precipitation of 2.5 inches is as follows:

Mile Station	Location	100 Year Discharge (Cubic Feet/second)	Time of concent (Minutes)	Intensity (in/hr)
15.3	Mission Dam	50,000	78.0	1.12
14.28	West Hills Dr.	49,000	77.0	1.13
13.07	Fanita Parkway	49,000	76.0	1.14
12.42	Carlton Hills Blvd	48,000	76.0	1.14
11.59	Cuyamaca St.	46,000	75.0	1.15
10.76	Magnolia Ave.	45,000	75.0	1.15
9.49	East City Limits	44.000	74.0	1.16

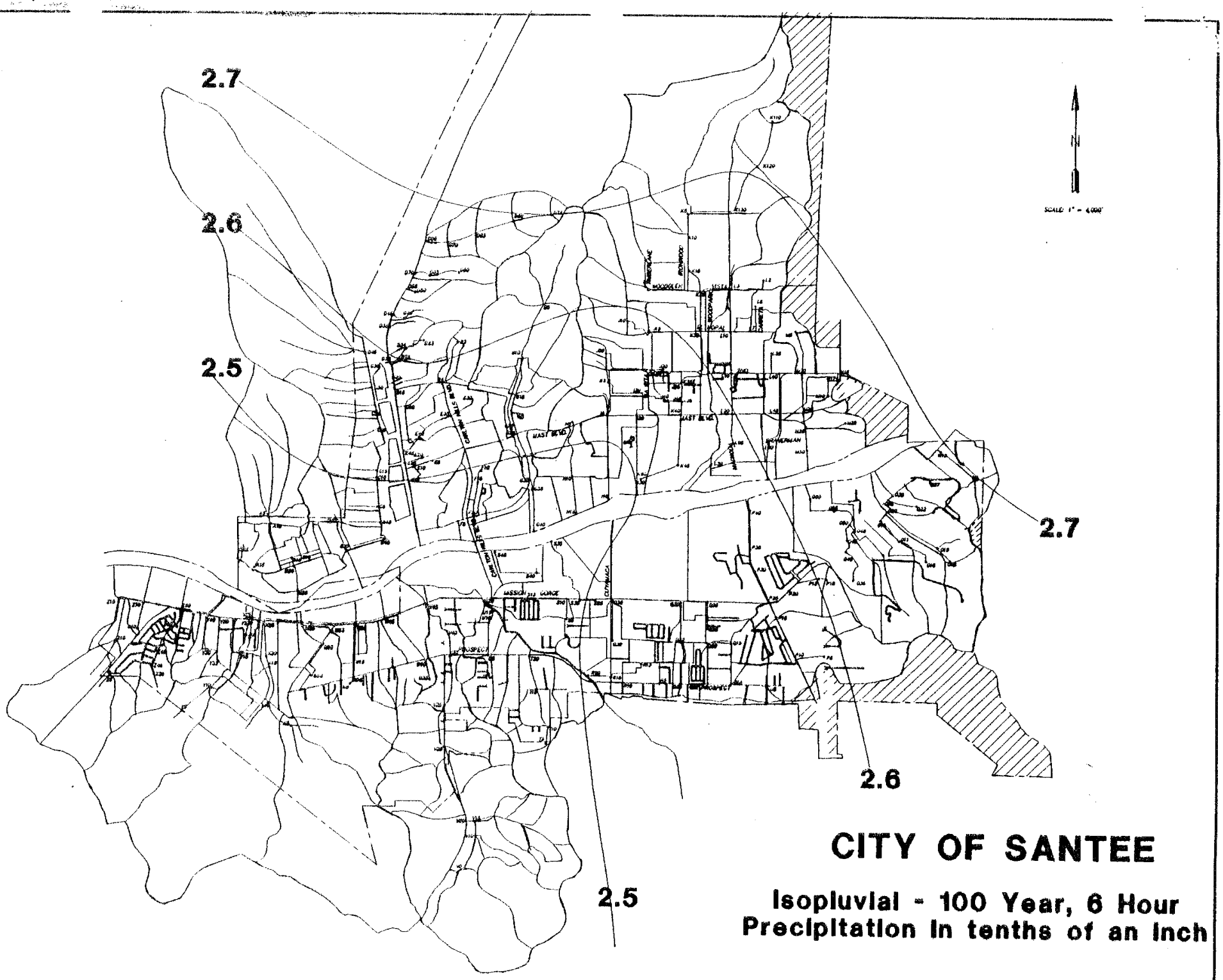
HYDRAULICS OF FLOW IN SAN DIEGO RIVER

The depth of flow and velocity for the design discharge shall be based on river conditions existing at the time of connection. If modifications of river conditions are planned for construction at the same time as the side channel connections, those modifications shall be considered in the hydraulic calculations. Future river improvements that have not been constructed shall not be considered in the hydraulic calculations.

The Corps of Engineers HEC2 program or other method approved in writing by the City Engineer shall be used to determine the river conditions. Results of prior HEC2 studies available at the Public Works Department may be used.

JAH:acs

ATTACHMENTS:
- 100 Yr. 6 hour Isopluvial Map
- 100 Yr. Intensity Chart, $P_6 = 2.5$
- 100 Yr. Intensity Chart, $P_6 = 2.6$
- 100 Yr. Intensity Chart, $P_6 = 2.7$



CITY OF SANTEE

Isopluvial - 100 Year, 6 Hour Precipitation in tenths of an inch

SAN DIEGO COUNTY FLOOD CONTROL
100 YEAR INTENSITY CHART

P6 = 2.50 I=7.44*P6*T^(-0.645)

TIME (MIN)	I (in/hr)	TIME (MIN)	I (in/hr)	TIME (MIN)	I (in/hr)	TIME (MIN)	I (in/hr)	TIME (MIN)	I (in/hr)
		30.0	2.07	60.0	1.33	120.0	0.85	180.0	0.65
6.0	5.86	11.0	3.96	16.0	3.11	21.0	2.61	74.0	1.16
6.1	5.79	11.1	3.94	16.1	3.10	21.1	2.60	74.1	1.16
6.2	5.73	11.2	3.92	16.2	3.09	21.2	2.59	74.2	1.16
6.3	5.67	11.3	3.89	16.3	3.07	21.3	2.59	74.3	1.16
6.4	5.62	11.4	3.87	16.4	3.06	21.4	2.58	74.4	1.15
6.5	5.56	11.5	3.85	16.5	3.05	21.5	2.57	74.5	1.15
6.6	5.51	11.6	3.83	16.6	3.04	21.6	2.56	74.6	1.15
6.7	5.45	11.7	3.81	16.7	3.03	21.7	2.56	74.7	1.15
6.8	5.40	11.8	3.79	16.8	3.01	21.8	2.55	74.8	1.15
6.9	5.35	11.9	3.77	16.9	3.00	21.9	2.54	74.9	1.15
7.0	5.30	12.0	3.74	17.0	2.99	22.0	2.53	75.0	1.15
7.1	5.25	12.1	3.72	17.1	2.98	22.1	2.53	75.1	1.15
7.2	5.21	12.2	3.71	17.2	2.97	22.2	2.52	75.2	1.15
7.3	5.16	12.3	3.69	17.3	2.96	22.3	2.51	75.3	1.15
7.4	5.12	12.4	3.67	17.4	2.95	22.4	2.50	75.4	1.14
7.5	5.07	12.5	3.65	17.5	2.94	22.5	2.50	75.5	1.14
7.6	5.03	12.6	3.63	17.6	2.93	22.6	2.49	75.6	1.14
7.7	4.99	12.7	3.61	17.7	2.91	22.7	2.48	75.7	1.14
7.8	4.94	12.8	3.59	17.8	2.90	22.8	2.48	75.8	1.14
7.9	4.90	12.9	3.57	17.9	2.89	22.9	2.47	75.9	1.14
8.0	4.86	13.0	3.56	18.0	2.88	23.0	2.46	76.0	1.14
8.1	4.83	13.1	3.54	18.1	2.87	23.1	2.45	76.1	1.14
8.2	4.79	13.2	3.52	18.2	2.86	23.2	2.45	76.2	1.14
8.3	4.75	13.3	3.50	18.3	2.85	23.3	2.44	76.3	1.14
8.4	4.71	13.4	3.49	18.4	2.84	23.4	2.43	76.4	1.13
8.5	4.68	13.5	3.47	18.5	2.83	23.5	2.43	76.5	1.13
8.6	4.64	13.6	3.45	18.6	2.82	23.6	2.42	76.6	1.13
8.7	4.61	13.7	3.44	18.7	2.81	23.7	2.41	76.7	1.13
8.8	4.57	13.8	3.42	18.8	2.80	23.8	2.41	76.8	1.13
8.9	4.54	13.9	3.41	18.9	2.79	23.9	2.40	76.9	1.13
9.0	4.51	14.0	3.39	19.0	2.78	24.0	2.39	77.0	1.13
9.1	4.48	14.1	3.37	19.1	2.77	24.1	2.39	77.1	1.13
9.2	4.44	14.2	3.36	19.2	2.77	24.2	2.38	77.2	1.13
9.3	4.41	14.3	3.34	19.3	2.76	24.3	2.38	77.3	1.13
9.4	4.38	14.4	3.33	19.4	2.75	24.4	2.37	77.4	1.13
9.5	4.35	14.5	3.31	19.5	2.74	24.5	2.36	77.5	1.12
9.6	4.32	14.6	3.30	19.6	2.73	24.6	2.36	77.6	1.12
9.7	4.30	14.7	3.29	19.7	2.72	24.7	2.35	77.7	1.12
9.8	4.27	14.8	3.27	19.8	2.71	24.8	2.34	77.8	1.12
9.9	4.24	14.9	3.26	19.9	2.70	24.9	2.34	77.9	1.12
10.0	4.21	15.0	3.24	20.0	2.69	25.0	2.33	78.0	1.12
10.1	4.19	15.1	3.23	20.1	2.69	25.1	2.33	78.1	1.12
10.2	4.16	15.2	3.22	20.2	2.68	25.2	2.32	78.2	1.12
10.3	4.13	15.3	3.20	20.3	2.67	25.3	2.31	78.3	1.12
10.4	4.11	15.4	3.19	20.4	2.66	25.4	2.31	78.4	1.12
10.5	4.08	15.5	3.18	20.5	2.65	25.5	2.30	78.5	1.12
10.6	4.06	15.6	3.16	20.6	2.64	25.6	2.30	78.6	1.11
10.7	4.03	15.7	3.15	20.7	2.63	25.7	2.29	78.7	1.11
10.8	4.01	15.8	3.14	20.8	2.63	25.8	2.29	78.8	1.11
10.9	3.98	15.9	3.12	20.9	2.62	25.9	2.28	78.9	1.11

SAN DIEGO COUNTY FLOOD CONTROL
100 YEAR INTENSITY CHART

P6 = 2.60 I=7.44*P6*T^(-0.645)

TIME (MIN)	I (in/hr)	TIME (MIN)	I (in/hr)	TIME (MIN)	I (in/hr)	TIME (MIN)	I (in/hr)	TIME (MIN)	I (in/hr)
		30.0	2.16	60.0	1.38	120.0	0.88	180.0	0.68
6.0	6.09	11.0	4.12	16.0	3.24	21.0	2.71	74.0	1.20
6.1	6.03	11.1	4.10	16.1	3.22	21.1	2.71	74.1	1.20
6.2	5.96	11.2	4.07	16.2	3.21	21.2	2.70	74.2	1.20
6.3	5.90	11.3	4.05	16.3	3.20	21.3	2.69	74.3	1.20
6.4	5.84	11.4	4.03	16.4	3.18	21.4	2.68	74.4	1.20
6.5	5.78	11.5	4.00	16.5	3.17	21.5	2.67	74.5	1.20
6.6	5.73	11.6	3.98	16.6	3.16	21.6	2.67	74.6	1.20
6.7	5.67	11.7	3.96	16.7	3.15	21.7	2.66	74.7	1.20
6.8	5.62	11.8	3.94	16.8	3.13	21.8	2.65	74.8	1.20
6.9	5.57	11.9	3.92	16.9	3.12	21.9	2.64	74.9	1.20
7.0	5.51	12.0	3.89	17.0	3.11	22.0	2.63	75.0	1.19
7.1	5.46	12.1	3.87	17.1	3.10	22.1	2.63	75.1	1.19
7.2	5.41	12.2	3.85	17.2	3.09	22.2	2.62	75.2	1.19
7.3	5.37	12.3	3.83	17.3	3.08	22.3	2.61	75.3	1.19
7.4	5.32	12.4	3.81	17.4	3.06	22.4	2.60	75.4	1.19
7.5	5.27	12.5	3.79	17.5	3.05	22.5	2.60	75.5	1.19
7.6	5.23	12.6	3.77	17.6	3.04	22.6	2.59	75.6	1.19
7.7	5.19	12.7	3.75	17.7	3.03	22.7	2.58	75.7	1.19
7.8	5.14	12.8	3.74	17.8	3.02	22.8	2.57	75.8	1.19
7.9	5.10	12.9	3.72	17.9	3.01	22.9	2.57	75.9	1.19
8.0	5.06	13.0	3.70	18.0	3.00	23.0	2.56	76.0	1.18
8.1	5.02	13.1	3.68	18.1	2.99	23.1	2.55	76.1	1.18
8.2	4.98	13.2	3.66	18.2	2.98	23.2	2.55	76.2	1.18
8.3	4.94	13.3	3.64	18.3	2.97	23.3	2.54	76.3	1.18
8.4	4.90	13.4	3.63	18.4	2.96	23.4	2.53	76.4	1.18
8.5	4.86	13.5	3.61	18.5	2.95	23.5	2.52	76.5	1.18
8.6	4.83	13.6	3.59	18.6	2.94	23.6	2.52	76.6	1.18
8.7	4.79	13.7	3.58	18.7	2.93	23.7	2.51	76.7	1.18
8.8	4.76	13.8	3.56	18.8	2.92	23.8	2.50	76.8	1.18
8.9	4.72	13.9	3.54	18.9	2.91	23.9	2.50	76.9	1.18
9.0	4.69	14.0	3.53	19.0	2.90	24.0	2.49	77.0	1.17
9.1	4.66	14.1	3.51	19.1	2.89	24.1	2.48	77.1	1.17
9.2	4.62	14.2	3.49	19.2	2.88	24.2	2.48	77.2	1.17
9.3	4.59	14.3	3.48	19.3	2.87	24.3	2.47	77.3	1.17
9.4	4.56	14.4	3.46	19.4	2.86	24.4	2.46	77.4	1.17
9.5	4.53	14.5	3.45	19.5	2.85	24.5	2.46	77.5	1.17
9.6	4.50	14.6	3.43	19.6	2.84	24.6	2.45	77.6	1.17
9.7	4.47	14.7	3.42	19.7	2.83	24.7	2.44	77.7	1.17
9.8	4.44	14.8	3.40	19.8	2.82	24.8	2.44	77.8	1.17
9.9	4.41	14.9	3.39	19.9	2.81	24.9	2.43	77.9	1.17
10.0	4.38	15.0	3.37	20.0	2.80	25.0	2.43	78.0	1.16
10.1	4.35	15.1	3.36	20.1	2.79	25.1	2.42	78.1	1.16
10.2	4.33	15.2	3.34	20.2	2.78	25.2	2.41	78.2	1.16
10.3	4.30	15.3	3.33	20.3	2.77	25.3	2.41	78.3	1.16
10.4	4.27	15.4	3.32	20.4	2.77	25.4	2.40	78.4	1.16
10.5	4.25	15.5	3.30	20.5	2.76	25.5	2.40	78.5	1.16
10.6	4.22	15.6	3.29	20.6	2.75	25.6	2.39	78.6	1.16
10.7	4.19	15.7	3.27	20.7	2.74	25.7	2.38	78.7	1.16
10.8	4.17	15.8	3.26	20.8	2.73	25.8	2.38	78.8	1.16
10.9	4.14	15.9	3.25	20.9	2.72	25.9	2.37	78.9	1.16

SAN DIEGO COUNTY FLOOD CONTROL
100 YEAR INTENSITY CHART

P6 = 2.70 $I=7.44*P6*T^{(-0.645)}$

TIME (MIN)	I (in/hr)	TIME (MIN)	I (in/hr)	TIME (MIN)	I (in/hr)	TIME (MIN)	I (in/hr)	TIME (MIN)	I (in/hr)
		30.0	2.24	60.0	1.43	120.0	0.92	180.0	0.71
6.0	6.32	11.0	4.28	16.0	3.36	21.0	2.82	74.0	1.25
6.1	6.26	11.1	4.25	16.1	3.35	21.1	2.81	74.1	1.25
6.2	6.19	11.2	4.23	16.2	3.33	21.2	2.80	74.2	1.25
6.3	6.13	11.3	4.20	16.3	3.32	21.3	2.79	74.3	1.25
6.4	6.07	11.4	4.18	16.4	3.31	21.4	2.78	74.4	1.25
6.5	6.01	11.5	4.16	16.5	3.29	21.5	2.78	74.5	1.25
6.6	5.95	11.6	4.13	16.6	3.28	21.6	2.77	74.6	1.24
6.7	5.89	11.7	4.11	16.7	3.27	21.7	2.76	74.7	1.24
6.8	5.83	11.8	4.09	16.8	3.26	21.8	2.75	74.8	1.24
6.9	5.78	11.9	4.07	16.9	3.24	21.9	2.74	74.9	1.24
7.0	5.73	12.0	4.04	17.0	3.23	22.0	2.74	75.0	1.24
7.1	5.67	12.1	4.02	17.1	3.22	22.1	2.73	75.1	1.24
7.2	5.62	12.2	4.00	17.2	3.21	22.2	2.72	75.2	1.24
7.3	5.57	12.3	3.98	17.3	3.19	22.3	2.71	75.3	1.24
7.4	5.52	12.4	3.96	17.4	3.18	22.4	2.70	75.4	1.24
7.5	5.48	12.5	3.94	17.5	3.17	22.5	2.70	75.5	1.23
7.6	5.43	12.6	3.92	17.6	3.16	22.6	2.69	75.6	1.23
7.7	5.38	12.7	3.90	17.7	3.15	22.7	2.68	75.7	1.23
7.8	5.34	12.8	3.88	17.8	3.14	22.8	2.67	75.8	1.23
7.9	5.30	12.9	3.86	17.9	3.12	22.9	2.67	75.9	1.23
8.0	5.25	13.0	3.84	18.0	3.11	23.0	2.66	76.0	1.23
8.1	5.21	13.1	3.82	18.1	3.10	23.1	2.65	76.1	1.23
8.2	5.17	13.2	3.80	18.2	3.09	23.2	2.64	76.2	1.23
8.3	5.13	13.3	3.78	18.3	3.08	23.3	2.64	76.3	1.23
8.4	5.09	13.4	3.77	18.4	3.07	23.4	2.63	76.4	1.23
8.5	5.05	13.5	3.75	18.5	3.06	23.5	2.62	76.5	1.22
8.6	5.01	13.6	3.73	18.6	3.05	23.6	2.61	76.6	1.22
8.7	4.98	13.7	3.71	18.7	3.04	23.7	2.61	76.7	1.22
8.8	4.94	13.8	3.70	18.8	3.03	23.8	2.60	76.8	1.22
8.9	4.90	13.9	3.68	18.9	3.02	23.9	2.59	76.9	1.22
9.0	4.87	14.0	3.66	19.0	3.01	24.0	2.59	77.0	1.22
9.1	4.83	14.1	3.64	19.1	3.00	24.1	2.58	77.1	1.22
9.2	4.80	14.2	3.63	19.2	2.99	24.2	2.57	77.2	1.22
9.3	4.77	14.3	3.61	19.3	2.98	24.3	2.57	77.3	1.22
9.4	4.73	14.4	3.60	19.4	2.97	24.4	2.56	77.4	1.22
9.5	4.70	14.5	3.58	19.5	2.96	24.5	2.55	77.5	1.21
9.6	4.67	14.6	3.56	19.6	2.95	24.6	2.55	77.6	1.21
9.7	4.64	14.7	3.55	19.7	2.94	24.7	2.54	77.7	1.21
9.8	4.61	14.8	3.53	19.8	2.93	24.8	2.53	77.8	1.21
9.9	4.58	14.9	3.52	19.9	2.92	24.9	2.53	77.9	1.21
10.0	4.55	15.0	3.50	20.0	2.91	25.0	2.52	78.0	1.21
10.1	4.52	15.1	3.49	20.1	2.90	25.1	2.51	78.1	1.21
10.2	4.49	15.2	3.47	20.2	2.89	25.2	2.51	78.2	1.21
10.3	4.46	15.3	3.46	20.3	2.88	25.3	2.50	78.3	1.21
10.4	4.44	15.4	3.44	20.4	2.87	25.4	2.49	78.4	1.21
10.5	4.41	15.5	3.43	20.5	2.86	25.5	2.49	78.5	1.20
10.6	4.38	15.6	3.41	20.6	2.85	25.6	2.48	78.6	1.20
10.7	4.35	15.7	3.40	20.7	2.85	25.7	2.47	78.7	1.20
10.8	4.33	15.8	3.39	20.8	2.84	25.8	2.47	78.8	1.20
10.9	4.30	15.9	3.37	20.9	2.83	25.9	2.46	78.9	1.20