APPENDIX B - MAIN SWMM INPUT FILES

```
SW 1 0 0
MM 3 10 11 12
$ANUM
$EXTRAN
A1 'Morgan Hill-- subbasins mad140-mad220'
A1 'System 10--madron channel outfall'
B1 7200  2.0  0.0  1  30  30  0
B2 0 1 0.0 30 0.08
B3 3 4 0 0 52
B4 con3 pea3 con11
B5 edu3 per1 edu7 edu12
* pipe data
C1  hil1   hil1   edu1    0.0  1  0.0 1.75  0.0  473  0.0  0.0  0.015  0.0 0.0
C1  edu1   edu1   edu2    0.0  1  0.0 1.50  0.0  175  0.0  0.0  0.015  0.0 0.0
C1  hea1   hea1   edu2    0.0  1  0.0 1.50  0.0  196  0.0  0.0  0.015  0.0 0.0
C1  edu2   edu2   hea2    0.0  1  0.0 2.00  0.0  210  0.0  0.0  0.015  0.0 0.0
C1  hea2   hea2   edu3    0.0  1  0.0 2.25  0.0  578  0.0  0.0  0.015  0.0 0.0
C1  con7   con7   con2    0.0  1  0.0 1.75  0.0  494  0.0  0.0  0.015  0.0 0.0
C1  con2a  con2   con3    0.0  1  0.0 1.25  0.0   70  0.0  0.0  0.015  0.0 0.0
C1  con2b  con2   con8    0.0  1  0.0 1.75  0.0  241  0.0  0.0  0.015  0.0 0.0
C1  con9   con9   con8    0.0  1  0.0 1.75  0.0   30  0.0  0.0  0.015  0.0 0.0
C1  con8   con8   tas1    0.0  1  0.0 1.25  0.0  140  0.0  0.0  0.015  0.0 0.0
C1  tas1   tas1   tas2    0.0  1  0.0 1.50  0.0  238  0.0  0.0  0.015  0.0 0.0
C1  tas2   tas2   tas3    0.0  1  0.0 1.75  0.0  280  0.0  0.0  0.015  0.0 0.0
C1  tas3   tas3   edu3    0.0  1  0.0 1.75  0.0  161  0.0  0.1  0.015  0.0 0.0
C1  edu3   edu3   edu4    0.0  1  0.0 2.50  0.0  693  0.1  0.0  0.015  0.0 0.0
C1  pea1   pea1   pea2    0.0  1  0.0 1.50  0.0  779  0.0  0.0  0.015  0.0 0.0
C1  pea3   pea3   pea2    0.0  1  0.0 1.50  0.0   70  0.0  0.0  0.015  0.0 0.0
C1  pea2   pea2   pea4    0.0  1  0.0 1.50  0.0  250  0.0  0.0  0.015  0.0 0.0
C1  pea4   pea4   mor10   0.0  1  0.0 0.75  0.0  361  0.0  0.0  0.015  0.0 0.0
C1  mor10  mor10  alm3    0.0  1  0.0 1.50  0.0  345  0.0  0.0  0.015  0.0 0.0
C1  alm3   alm3   blu3    0.0  1  0.0 1.50  0.0  315  0.0  0.0  0.015  0.0 0.0
C1  blu3   blu3   blu4    0.0  1  0.0 1.50  0.0  193  0.0  0.0  0.015  0.0 0.0
C1  blu4   blu4   per1    0.0  1  0.0 1.50  0.0  198  0.0  0.0  0.015  0.0 0.0
C1  per1   per1   bay3    0.0  1  0.0 1.75  0.0  627  0.0  0.1  0.015  0.0 0.0
C1  bay1   bay1   bay2    0.0  1  0.0 1.50  0.0  125  0.0  0.0  0.015  0.0 0.0
C1  bay2   bay2   bay3    0.0  1  0.0 1.50  0.0  231  0.0  0.2  0.015  0.0 0.0
C1  bay3   bay3   edu4    0.0  1  0.0 2.00  0.0  164  0.0  0.0  0.015  0.0 0.0
C1  edu4   edu4   edu5    0.0  1  0.0 3.00  0.0  477  0.0  0.0  0.015  0.0 0.0
C1  edu5   edu5   edu6    0.0  1  0.0 3.00  0.0  445  0.0  0.0  0.015  0.0 0.0
C1  alm2   alm2   alm1    0.0  1  0.0 2.00  0.0  140  0.0  0.0  0.015  0.0 0.0
C1  alm1   alm1   blu2    0.0  1  0.0 2.00  0.0  462  0.0  0.0  0.015  0.0 0.0
C1  blu2   blu2   blu1    0.0  1  0.0 2.00  0.0   78  0.0  0.0  0.015  0.0 0.0
C1  blu1   blu1   asp1    0.0  1  0.0 2.25  0.0  438  0.0  0.0  0.015  0.0 0.0
C1  asp1   asp1   edu6    0.0  1  0.0 2.25  0.0  746  0.0  0.0  0.015  0.0 0.0
C1  edu6   edu6   edu7    0.0  1  0.0 3.00  0.0  385  0.0  0.0  0.015  0.0 0.0
C1  jas1   jas1   jas2    0.0  1  0.0 1.75  0.0  264  0.0  0.0  0.015  0.0 0.0
C1  jas2   jas2   dog1    0.0  1  0.0 1.75  0.0  580  0.0  0.0  0.015  0.0 0.0
C1  dog1   dog1   jas3    0.0  1  0.0 2.00  0.0  615  0.0  0.0  0.015  0.0 0.0
C1  jas4   jas4   jas3    0.0  1  0.0 1.50  0.0  455  0.0  0.0  0.015  0.0 0.0
C1  jas3   jas3   pep1    0.0  1  0.0 2.00  0.0  430  0.0  0.0  0.015  0.0 0.0
C1  pep1   pep1   edu7    0.0  1  0.0 2.25  0.0  385  0.0  0.0  0.015  0.0 0.0
C1  edu7   edu7   edu8    0.0  1  0.0 3.00  0.0  765  0.0  0.0  0.015  0.0 0.0
C1  edu8   edu8   edu9    0.0  1  0.0 4.00  0.0  525  4.7  0.0  0.015  0.0 0.0
C1  mur1   mur1   edu9    0.0  1  0.0 1.25  0.0  990  0.0  0.5  0.015  0.0 0.0
C1  edu9   edu9   edu10   0.0  1  0.0 4.00  0.0  210  0.0  0.0  0.015  0.0 0.0
C1  edu10  edu10  edu12   0.0  1  0.0 4.00  0.0  490  2.3  0.0  0.015  0.0 0.0
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C1  con11  con11  con12   0.0  1  0.0 2.00  0.0  227  0.0  0.0  0.015  0.0 0.0
C1  con12  con12  edu12   0.0  1  0.0 2.50  0.0   93  0.0  0.0  0.015  0.0 0.0
C1  edu12  edu12  edu15   0.0  1  0.0 4.00  0.0  350  0.0  0.0  0.015  0.0 0.0
* junction data
D1  hil1   365.7   360.3   0.0  0.0
D1  edu1   364.0   358.9   0.0  0.0
D1  hea1   365.2   359.2   0.0  0.0
D1  edu2   363.9   358.8   0.0  0.0
D1  hea2   364.1   357.8   0.0  0.0
D1  con7   367.8   361.0   0.0  0.0
D1  con2   366.0   360.2   0.0  0.0
D1  con3   364.8   362.3   0.0  0.0
D1  con9   363.3   359.9   0.0  0.0
D1  con8   365.0   359.7   0.0  0.0
D1  tas1   364.9   359.1   0.0  0.0
D1  tas2   364.3   358.2   0.0  0.0
D1  tas3   364.0   357.3   0.0  0.0
D1  edu3   364.0   356.6   0.0  0.0
D1  pea1   374.6   368.3   0.0  0.0
D1  pea3   372.5   369.8   0.0  0.0
D1  pea2   372.4   365.7   0.0  0.0
D1  pea4   372.3   365.2   0.0  0.0
D1  mor10  370.0   363.5   0.0  0.0
D1  alm3   368.0   361.9   0.0  0.0
D1  blu3   367.6   361.1   0.0  0.0
D1  blu4   367.5   360.3   0.0  0.0
D1  per1   365.0   358.2   0.0  0.0
D1  bay1   364.0   357.8   0.0  0.0
D1  bay2   363.2   357.3   0.0  0.0
D1  bay3   367.8   356.2   0.0  0.0
D1  edu4   362.0   354.5   0.0  0.0
D1  edu5   362.0   353.6   0.0  0.0
D1  alm2   366.0   358.8   0.0  0.0
D1  alm1   366.0   358.3   0.0  0.0
D1  blu2   365.0   357.0   0.0  0.0
D1  blu1   365.0   356.6   0.0  0.0
D1  asp1   363.0   354.9   0.0  0.0
D1  edu6   360.8   352.7   0.0  0.0
D1  jas1   368.7   360.5   0.0  0.0
D1  jas2   366.5   358.8   0.0  0.0
D1  dog1   364.2   356.3   0.0  0.0
D1  jas4   365.0   355.7   0.0  0.0
D1  jas3   361.9   354.5   0.0  0.0
D1  pep1   360.6   351.5   0.0  0.0
D1  edu7   360.1   351.4   0.0  0.0
D1  edu8   361.4   350.1   0.0  0.0
D1  mur1   361.8   353.8   0.0  0.0
D1  edu9   361.6   354.3   0.0  0.0
D1  edu10  360.3   350.6   0.0  0.0
D1  con11  360.0   357.0   0.0  0.0
D1  con12  359.0   352.6   0.0  0.0
D1  edu12  359.0   351.8   0.0  0.0
D1  edu15  357.7   350.8   0.0  0.0
*  pond data
E1  con3   364.5  12630.0  0.0
E1  pea3   378.5   6795.0  0.0
E1  con11  360.0   4490.0  0.0
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*  outfall info
I1 edu15 1
J1 2
J2 354.8
*  5 hrs of the 10-year hydrographs
K1 52
K2 pea2 hil1 edu1 hea1 hea1 con7 con7 con2 con8 tas1 tas2 tas3 edu1 edu2 hea2
edu3 pea1 con2 mor10 pea4 mor10 alm3 blu3 blu4 per1 bay3 bay1 bay2 alm2 edu6
alm1 blu2 blu1 asp1 jas1 jas4 jas1 jas2 dog1 jas3 jas4 edu7 pep1
   edu4 edu5 edu6 edu7 edu8 edu9 mur1 con11 edu12
K3  0.00  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
        0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
K3  0.33  1.0  1.0  1.0  2.0  0.5  0.5  0.3  0.5  0.3  1.1  0.1  0.8  0.3  0.3
0.3  1.2  0.5  0.6  1.4  0.3  0.4  0.4  0.3  0.1  0.7  1.2  0.3  0.3  5.0  1.4
0.9  1.4  1.4  0.9  0.4  1.6  0.2  0.2  0.9  0.7  1.9  0.6
        0.4  0.4  0.6  0.1  0.3  0.3  0.3  2.0  7.0  0.5
K3  0.50  1.0  1.0  1.0  2.0  0.5  0.5  0.3  0.5  0.3  1.1  0.1  0.8  0.3  0.3
0.3  1.2  0.5  0.9  2.1  0.3  0.6  0.6  0.3  0.1  0.9  1.5  0.3  0.3  5.0  1.4
0.9  1.4  1.4  0.9  0.4  1.6  0.2  0.2  0.9  0.7  1.9  0.6
        0.4  0.4  0.6  0.1  0.3  0.3  0.3  2.0  7.0  0.5
K3  0.67  1.0  1.0  1.0  2.0  0.5  0.5  0.3  0.5  0.3  1.1  0.1  0.8  0.3  0.3
0.3  1.2  0.5  0.9  2.1  0.3  0.6  0.6  0.3  0.1  0.9  1.5  0.3  0.3  6.0  1.6
1.1  1.6  1.7  1.1  0.4  1.6  0.3  0.3  1.1  0.9  2.3  1.1
        0.9  0.4  0.6  0.1  0.3  0.3  0.3  2.0  8.0  0.5
K3  0.83  1.0  1.0  1.0  2.0  0.5  0.5  0.3  0.5  0.3  1.6  0.2  1.2  0.4  0.4
0.4  1.8  1.0  0.9  2.1  0.4  0.7  0.7  0.4  0.2  1.1  1.8  0.4  0.4  7.0  2.1
1.4  2.1  2.2  1.4  0.6  2.4  0.4  0.4  1.4  1.1  2.8  1.1
        0.9  0.6  0.9  0.2  0.4  0.5  0.4  2.0  9.0  1.0
K3  1.00  2.0  2.0  2.0  4.0  0.5  0.5  0.5  1.0  0.5  2.7  0.3  1.9  0.5  0.5
0.6  2.4  1.0  1.2  2.8  0.6  0.9  0.9  0.6  0.2  1.4  2.4  0.6  0.6 10.0  2.8
1.8  2.8  2.9  1.8  0.8  3.2  0.5  0.5  2.1  1.6  4.2  1.7
        1.3  0.8  1.2  0.3  0.6  0.6  0.6  4.0 12.0  1.5
K3  1.08  2.0  3.0  3.0  8.0  1.0  1.0  0.8  1.5  0.8  4.9  0.6  3.5  1.2  1.2
1.3  5.4  1.5  1.5  3.5  0.9  1.4  1.4  0.9  0.4  2.3  3.9  0.9  0.9 16.0  4.8
3.2  4.8  5.0  3.2  1.4  5.6  1.0  1.0  3.7  2.9  7.5  3.4
        2.6  1.3  1.7  0.4  0.8  0.9  0.8  7.0 17.0  2.5
K3  1.17  3.0  3.5  3.5  5.0  1.0  1.0  0.8  1.5  0.8  3.8  0.5  2.7  0.6  0.6
0.7  3.0  2.0  1.8  4.2  1.1  1.8  1.8  1.1  0.5  2.9  4.8  1.1  1.1 19.0  5.1
3.3  5.1  5.3  3.3  1.6  6.4  0.8  0.8  3.2  2.5  6.6  2.2
        1.8  1.7  2.3  0.6  1.1  1.2  1.1  6.0 23.0  1.5
K3  1.25  3.0  2.5  2.5  4.0  1.0  1.0  0.5  1.0  0.5  2.7  0.3  1.9  0.4  0.4
0.4  1.8  2.0  2.1  4.9  1.0  1.6  1.6  1.0  0.4  2.7  4.5  1.0  1.0 17.0  3.9
2.6  3.9  4.1  2.6  1.2  4.8  0.5  0.5  2.1  1.6  4.2  1.7
        1.3  1.5  2.0  0.5  1.0  1.1  1.0  4.0 24.0  1.0
K3  1.33  3.0  2.0  2.0  3.0  1.0  1.0  0.5  1.0  0.5  2.2  0.3  1.6  0.4  0.4
0.4  1.8  1.5  1.8  4.2  0.9  1.4  1.4  0.9  0.4  2.3  3.9  0.9  0.9 14.0  3.5
2.3  3.5  3.6  2.3  1.0  4.0  0.5  0.5  1.8  1.4  3.8  1.7
        1.3  1.0  1.4  0.3  0.7  0.8  0.7  4.0 22.0  1.0
K3  1.42  2.0  2.0  2.0  3.0  1.0  1.0  0.5  1.0  0.5  2.2  0.3  1.6  0.3  0.3
0.3  1.2  1.5  1.8  4.2  0.8  1.2  1.2  0.8  0.3  2.0  3.3  0.8  0.8 11.0  3.2
2.1  3.2  3.4  2.1  0.8  3.2  0.5  0.5  1.8  1.4  3.8  1.7
        1.3  0.8  1.2  0.3  0.6  0.6  0.6  3.0 18.0  0.5
K3  1.50  2.0  2.0  2.0  3.0  1.0  1.0  0.5  1.0  0.5  2.2  0.3  1.6  0.3  0.3
0.3  1.2  1.0  1.8  4.2  0.7  1.1  1.1  0.7  0.3  1.8  3.0  0.7  0.7 10.0  3.0
2.0  3.0  3.1  2.0  0.6  2.4  0.4  0.4  1.6  1.3  3.3  1.7
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        1.3  0.6  0.9  0.2  0.4  0.5  0.4  3.0 15.0  0.5
K3  1.58  2.0  1.5  1.5  3.0  0.5  0.5  0.5  1.0  0.5  2.2  0.3  1.6  0.3  0.3
0.3  1.2  1.0  1.8  4.2  0.6  1.0  1.0  0.6  0.3  1.6  2.7  0.6  0.6  9.0  2.8
1.8  2.8  2.9  1.8  0.6  2.4  0.4  0.4  1.6  1.3  3.3  1.1
        0.9  0.6  0.9  0.2  0.4  0.5  0.4  3.0 13.0  0.5
K3  1.67  2.0  1.5  1.5  3.0  0.5  0.5  0.5  1.0  0.5  2.2  0.3  1.6  0.3  0.3
0.3  1.2  1.0  1.8  4.2  0.6  1.0  1.0  0.6  0.3  1.6  2.7  0.6  0.6  9.0  2.5
1.7  2.5  2.6  1.7  0.6  2.4  0.4  0.4  1.6  1.3  3.3  1.1
        0.9  0.6  0.9  0.2  0.4  0.5  0.4  3.0 12.0  0.5
K3  1.75  2.0  1.5  1.5  3.0  0.5  0.5  0.5  1.0  0.5  1.6  0.2  1.2  0.3  0.3
0.3  1.2  1.0  1.8  4.2  0.6  0.9  0.9  0.6  0.2  1.4  2.4  0.6  0.6  8.0  2.3
1.5  2.3  2.4  1.5  0.6  2.4  0.4  0.4  1.6  1.3  3.3  1.1
        0.9  0.6  0.9  0.2  0.4  0.5  0.4  3.0 11.0  0.5
K3  1.83  2.0  1.5  1.5  3.0  0.5  0.5  0.5  1.0  0.5  1.6  0.2  1.2  0.3  0.3
0.3  1.2  1.0  1.8  4.2  0.6  0.9  0.9  0.6  0.2  1.4  2.4  0.6  0.6  8.0  2.1
1.4  2.1  2.2  1.4  0.6  2.4  0.4  0.4  1.4  1.1  2.8  1.1
        0.9  0.4  0.6  0.1  0.3  0.3  0.3  3.0 11.0  0.5
K3  1.92  2.0  1.5  1.5  2.0  0.5  0.5  0.5  1.0  0.5  1.6  0.2  1.2  0.3  0.3
0.3  1.2  1.0  1.8  4.2  0.6  0.9  0.9  0.6  0.2  1.4  2.4  0.6  0.6  8.0  2.1
1.4  2.1  2.2  1.4  0.6  2.4  0.4  0.4  1.4  1.1  2.8  1.1
        0.9  0.4  0.6  0.1  0.3  0.3  0.3  3.0 10.0  0.5
K3  2.00  2.0  1.5  1.5  2.0  0.5  0.5  0.5  1.0  0.5  1.6  0.2  1.2  0.3  0.3
0.3  1.2  1.0  1.8  4.2  0.5  0.8  0.8  0.5  0.2  1.3  2.1  0.5  0.5  7.0  1.8
1.2  1.8  1.9  1.2  0.6  2.4  0.4  0.4  1.4  1.1  2.8  1.1
        0.9  0.4  0.6  0.1  0.3  0.3  0.3  3.0 10.0  0.5
K3  2.08  2.0  1.5  1.5  2.0  0.5  0.5  0.3  0.5  0.3  1.6  0.2  1.2  0.3  0.3
0.3  1.2  1.0  1.8  4.2  0.5  0.8  0.8  0.5  0.2  1.3  2.1  0.5  0.5  7.0  1.6
1.1  1.6  1.7  1.1  0.6  2.4  0.3  0.3  1.1  0.9  2.3  1.1
        0.9  0.4  0.6  0.1  0.3  0.3  0.3  2.0 10.0  0.5
K3  2.17  2.0  1.5  1.5  2.0  0.5  0.5  0.3  0.5  0.3  1.6  0.2  1.2  0.1  0.1
0.1  0.6  1.0  1.8  4.2  0.5  0.8  0.8  0.5  0.2  1.3  2.1  0.5  0.5  6.0  1.6
1.1  1.6  1.7  1.1  0.4  1.6  0.3  0.3  1.1  0.9  2.3  1.1
        0.9  0.4  0.6  0.1  0.3  0.3  0.3  2.0 10.0  0.5
K3  2.25  2.0  1.0  1.0  2.0  0.5  0.5  0.3  0.5  0.3  1.6  0.2  1.2  0.1  0.1
0.1  0.6  1.0  1.8  4.2  0.4  0.7  0.7  0.4  0.2  1.1  1.8  0.4  0.4  6.0  1.6
1.1  1.6  1.7  1.1  0.4  1.6  0.3  0.3  1.1  0.9  2.3  0.6
        0.4  0.4  0.6  0.1  0.3  0.3  0.3  2.0  9.0  0.5
K3  2.33  2.0  1.0  1.0  2.0  0.5  0.5  0.3  0.5  0.3  1.1  0.1  0.8  0.1  0.1
0.1  0.6  1.0  1.8  4.2  0.4  0.7  0.7  0.4  0.2  1.1  1.8  0.4  0.4  6.0  1.4
0.9  1.4  1.4  0.9  0.4  1.6  0.3  0.3  1.1  0.9  2.3  0.6
        0.4  0.4  0.6  0.1  0.3  0.3  0.3  2.0  9.0  0.5
K3  2.42  2.0  1.0  1.0  2.0  0.5  0.5  0.3  0.5  0.3  1.1  0.1  0.8  0.1  0.1
0.1  0.6  1.0  1.8  4.2  0.4  0.7  0.7  0.4  0.2  1.1  1.8  0.4  0.4  6.0  1.4
0.9  1.4  1.4  0.9  0.4  1.6  0.2  0.2  0.9  0.7  1.9  0.6
        0.4  0.4  0.6  0.1  0.3  0.3  0.3  2.0  9.0  0.5
K3  2.50  2.0  1.0  1.0  2.0  0.5  0.5  0.3  0.5  0.3  1.1  0.1  0.8  0.1  0.1
0.1  0.6  1.0  1.8  4.2  0.3  0.6  0.6  0.3  0.1  0.9  1.5  0.3  0.3  5.0  1.4
0.9  1.4  1.4  0.9  0.4  1.6  0.2  0.2  0.9  0.7  1.9  0.6
        0.4  0.4  0.6  0.1  0.3  0.3  0.3  2.0  9.0  0.5
K3  2.75  2.0  1.0  1.0  2.0  0.5  0.5  0.3  0.5  0.3  1.1  0.1  0.8  0.1  0.1
0.1  0.6  1.0  1.5  3.5  0.3  0.6  0.6  0.3  0.1  0.9  1.5  0.3  0.3  5.0  1.1
0.8  1.1  1.2  0.8  0.4  1.6  0.2  0.2  0.9  0.7  1.9  0.6
        0.4  0.4  0.6  0.1  0.3  0.3  0.3  2.0  8.0  0.5
K3  3.00  2.0  1.0  1.0  1.0  0.5  0.5  0.3  0.5  0.3  1.1  0.1  0.8  0.1  0.1
0.1  0.6  1.0  1.5  3.5  0.3  0.4  0.4  0.3  0.1  0.7  1.2  0.3  0.3  4.0  1.1
0.8  1.1  1.2  0.8  0.4  1.6  0.2  0.2  0.7  0.5  1.4  0.6
        0.4  0.4  0.6  0.1  0.3  0.3  0.3  2.0  8.0  0.5
```

```
K3  3.25  2.0  1.0  1.0  1.0  0.5  0.5  0.3  0.5  0.3  1.1  0.1  0.8  0.1  0.1
0.1  0.6  1.0  1.2  2.8  0.3  0.4  0.4  0.3  0.1  0.7  1.2  0.3  0.3  4.0  1.1
0.8  1.1  1.2  0.8  0.4  1.6  0.2  0.2  0.7  0.5  1.4  0.6
        0.4  0.2  0.3  0.1  0.1  0.2  0.1  2.0  7.0  0.5
K3  3.50  2.0  0.5  0.5  1.0  0.5  0.5  0.3  0.5  0.3  1.1  0.1  0.8  0.1  0.1
0.1  0.6  1.0  1.2  2.8  0.3  0.4  0.4  0.3  0.1  0.7  1.2  0.3  0.3  4.0  0.9
0.6  0.9  1.0  0.6  0.4  1.6  0.2  0.2  0.7  0.5  1.4  0.6
        0.4  0.2  0.3  0.1  0.1  0.2  0.1  1.0  7.0  0.5
K3  3.75  2.0  0.5  0.5  1.0  0.5  0.5  0.3  0.5  0.3  1.1  0.1  0.8  0.1  0.1
0.1  0.6  1.0  1.2  2.8  0.3  0.4  0.4  0.3  0.1  0.7  1.2  0.3  0.3  4.0  0.9
0.6  0.9  1.0  0.6  0.4  1.6  0.2  0.2  0.7  0.5  1.4  0.6
        0.4  0.2  0.3  0.1  0.1  0.2  0.1  1.0  7.0  0.5
K3  4.00  1.0  0.5  0.5  1.0  0.5  0.5  0.3  0.5  0.3  1.1  0.1  0.8  0.1  0.1
0.1  0.6  1.0  0.9  2.1  0.3  0.4  0.4  0.3  0.1  0.7  1.2  0.3  0.3  3.0  0.9
0.6  0.9  1.0  0.6  0.4  1.6  0.2  0.2  0.7  0.5  1.4  0.6
        0.4  0.2  0.3  0.1  0.1  0.2  0.1  1.0  6.0  0.5
K3  4.25  1.0  0.5  0.5  1.0  0.5  0.5  0.3  0.5  0.3  1.1  0.1  0.8  0.1  0.1
0.1  0.6  0.5  0.9  2.1  0.3  0.4  0.4  0.3  0.1  0.7  1.2  0.3  0.3  3.0  0.9
0.6  0.9  1.0  0.6  0.4  1.6  0.2  0.2  0.7  0.5  1.4  0.6
        0.4  0.2  0.3  0.1  0.1  0.2  0.1  1.0  6.0  0.5
K3  4.50  1.0  0.5  0.5  1.0  0.5  0.5  0.3  0.5  0.3  0.5  0.1  0.4  0.1  0.1
0.1  0.6  0.5  0.9  2.1  0.2  0.3  0.3  0.2  0.1  0.5  0.9  0.2  0.2  3.0  0.9
0.6  0.9  1.0  0.6  0.4  1.6  0.2  0.2  0.7  0.5  1.4  0.6
        0.4  0.2  0.3  0.1  0.1  0.2  0.1  1.0  5.0  0.5
K3  4.75  1.0  0.5  0.5  1.0  0.5  0.5  0.3  0.5  0.3  0.5  0.1  0.4  0.1  0.1
0.1  0.6  0.5  0.9  2.1  0.2  0.3  0.3  0.2  0.1  0.5  0.9  0.2  0.2  3.0  0.9
0.6  0.9  1.0  0.6  0.2  0.8  0.2  0.2  0.7  0.5  1.4  0.6
        0.4  0.2  0.3  0.1  0.1  0.2  0.1  1.0  5.0  0.5
K3  5.00  1.0  0.5  0.5  1.0  0.5  0.5  0.3  0.5  0.3  0.5  0.1  0.4  0.1  0.1
0.1  0.6  0.5  0.9  2.1  0.2  0.3  0.3  0.2  0.1  0.5  0.9  0.2  0.2  3.0  0.7
0.5  0.7  0.7  0.5  0.2  0.8  0.1  0.1  0.5  0.4  0.9  0.6
        0.4  0.2  0.3  0.1  0.1  0.2  0.1  1.0  5.0  0.0
$ENDPROGRAM
```

H:\Client\MorganHill_FNO\6179A.00\Storm\122801\SWMM\MORG10.DAT

```
SW 1 0 0
MM 3 10 11 12
$ANUM
$EXTRAN
A1 'Morgan Hill-- existing development '
A1 'System 12b-- two outfalls to Butterfield channel ?'
B1 5400  2.0  0.0  1  30  30  0
B2 0 1 0.0 30 0.08
B3 0 3 0 0 29
B5 but17b but18 cen20
* pipe data
C1  jar1   jar1   jar2    0.0  1  0.0 1.75  0.0  302  0.0  0.0  0.015  0.0 0.0
C1  jar2   jar2   jar3    0.0  1  0.0 2.50  0.0  951  0.0  0.0  0.015  0.0 0.0
C1  jar3   jar3   jar4    0.0  1  0.0 3.00  0.0  342  0.0  0.0  0.015  0.0 0.0
C1  sut6   sut6   jar4    0.0  1  0.0 1.75  0.0  385  0.0  0.0  0.015  0.0 0.0
C1  jar4   jar4   jar5    0.0  1  0.0 3.00  0.0  774  0.0  0.0  0.015  0.0 0.0
C1  jar5   jar5   but11   0.0  1  0.0 3.50  0.0  700  0.0  0.0  0.015  0.0 0.0
C1  but10  but10  but11   0.0  1  0.0 1.75  0.0  438  0.0  0.0  0.015  0.0 0.0
C1  but11  but11  but12   0.0  1  0.0 4.00  0.0  226  0.0  0.0  0.015  0.0 0.0
C1  but12  but12  but17   0.0  1  0.0 4.50  0.0  900  0.0  0.0  0.015  0.0 0.0
C1  ser1   ser1   ser2    0.0  1  0.0 1.50  0.0  313  0.0  0.0  0.015  0.0 0.0
C1  ser2   ser2   sut4    0.0  1  0.0 1.75  0.0  246  0.0  0.0  0.015  0.0 0.0
C1  sut5   sut5   sut4    0.0  1  0.0 1.75  0.0  430  0.0  0.0  0.015  0.0 0.0
C1  sut4   sut4   sut3    0.0  1  0.0 2.50  0.0  455  0.0  0.0  0.015  0.0 0.0
C1  sut3   sut3   sut2    0.0  1  0.0 3.00  5.0  265  0.0  0.0  0.015  0.0 0.0
C1  sut2   sut2   but17   0.0  1  0.0 3.00  0.0  756  0.0  0.0  0.015  0.0 0.0
C1  but17a but17  but18   0.0  1  0.0 7.00  0.0  480  0.0  0.0  0.013  0.0 0.0
C1  but17b but17  but16   0.0  1  0.0 5.00  0.0 1065  0.0  0.0  0.014  0.0 0.0
* but19 outfalls to butterfield ch
C1  but18  but18  but19   0.0  1  0.0 7.00  0.0  520  0.0  0.0  0.013  0.0 0.0
C1  jar9   jar9   jar10   0.0  1  0.0 1.50  0.0  283  0.0  0.0  0.015  0.0 0.0
C1  jar10  jar10  jar11   0.0  1  0.0 1.75  0.0  350  0.0  0.0  0.015  0.0 0.0
C1  jar11  jar11  jar12   0.0  1  0.0 2.50  0.0  775  0.0  0.0  0.015  0.0 0.0
C1  ser5   ser5   ser4    0.0  1  0.0 1.50  0.0  300  0.0  0.0  0.015  0.0 0.0
C1  ser4   ser4   jar12   0.0  1  0.0 2.00  0.0  250  0.0  0.0  0.015  0.0 0.0
C1  jar12  jar12  jar15   0.0  1  0.0 3.50  0.0 1059  0.0  0.0  0.015  0.0 0.0
C1  jar15  jar15  jar16   0.0  1  0.0 3.50  0.0  604  0.0  0.0  0.015  0.0 0.0
C1  jar16  jar16  but16   0.0  1  0.0 4.50  0.0  415  0.0  0.0  0.015  0.0 0.0
C1  but16  but16  but15   0.0  1  0.0 6.00  0.0  731  0.0  0.0  0.014  0.0 0.0
C1  but22  but22  but51   0.0  1  0.0 1.00  0.0  100  0.0  0.0  0.015  0.0 0.0
C1  but51  but51  but15   0.0  1  0.0 1.50  5.0  945  0.0  0.0  0.015  0.0 0.0
C1  but15  but15  cen20   0.0  1  0.0 6.00  0.0 1315  0.0  0.0  0.014  0.0 0.0
C1  cen20  cen20  but50   0.0  1  0.0 6.00  0.0  245  0.0  0.0  0.014  0.0 0.0
* junction data
D1  jar1   372.6   366.7   0.0  0.0
D1  jar2   372.0   365.3   0.0  0.0
D1  jar3   367.6   360.5   0.0  0.0
D1  sut6   366.0   360.3   0.0  0.0
D1  jar4   366.6   359.1   0.0  0.0
D1  jar5   362.5   354.4   0.0  0.0
D1  but10  360.2   353.5   0.0  0.0
D1  but11  358.0   352.1   0.0  0.0
D1  but12  359.6   351.7   0.0  0.0
D1  ser1   363.0   358.4   0.0  0.0
D1  ser2   362.4   357.6   0.0  0.0
D1  sut5   364.0   358.6   0.0  0.0
D1  sut4   362.5   356.5   0.0  0.0
```

```
D1  sut3   360.4   354.8   0.0  0.0
D1  sut2   359.8   353.1   0.0  0.0
D1  but17  359.0   347.5   0.0  0.0
D1  but18  357.0   346.3   0.0  0.0
D1  but19  355.0   345.4   0.0  0.0
D1  jar9   371.3   365.8   0.0  0.0
D1  jar10  369.8   364.8   0.0  0.0
D1  jar11  368.8   363.0   0.0  0.0
D1  ser5   368.1   362.3   0.0  0.0
D1  ser4   366.3   360.1   0.0  0.0
D1  jar12  365.8   357.6   0.0  0.0
D1  jar15  360.2   354.1   0.0  0.0
D1  jar16  358.6   350.1   0.0  0.0
D1  but16  357.6   348.9   0.0  0.0
D1  but22  352.9   348.7   0.0  0.0
D1  but51  352.5   348.6   0.0  0.0
D1  but15  357.0   347.6   0.0  0.0
D1  cen20  353.3   345.0   0.0  0.0
D1  but50  352.3   344.3   0.0  0.0
*  outfall data
I1 but19 1
I1 but50 1
J1 2
J2 345.5
J1 2
J2 345.0
*  5 hrs fo the 24hr 10-year hydrographs
K1 29
K2 jar1 jar2 jar3 jar4 sut6 jar5 but11 but10 but12 but17 ser1 sut5 sut5 sut3
sut2 but19 jar10 jar11 jar12 ser5 jar15 jar16 but16 but15 but15 but22 but51
cen20 cen20
K3  0.00  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
K3  0.33  1.6  1.6  7.4  2.5  1.6  1.6  4.8  1.8  1.3 11.1  2.7  0.8  2.1  1.5
1.5  5.0  0.5  2.1  2.1  1.0  3.1  0.5  1.6  2.1  1.0  1.0  1.0  4.8  6.0
K3  0.50  1.8  1.8  8.3  2.9  1.8  1.8  5.5  2.1  1.4 12.2  3.0  0.9  2.3  1.6
1.6  5.0  0.6  2.2  2.2  1.1  3.4  0.6  1.7  2.2  1.0  1.0  1.0  5.6  6.0
K3  0.67  2.0  2.0  9.3  3.2  2.0  2.0  6.1  2.3  1.6 13.8  3.4  1.0  2.6  1.8
1.8  6.0  0.6  2.6  2.6  1.3  3.8  0.6  1.9  2.6  1.0  1.0  1.0  6.4  7.0
K3  0.83  2.4  2.4 10.9  3.7  2.4  2.4  7.1  2.7  1.9 16.4  4.0  1.2  3.1  2.2
2.2  8.0  0.8  3.0  3.0  1.5  4.6  0.8  2.3  3.0  1.3  1.3  1.4  7.2  8.0
K3  1.00  3.4  3.4 15.4  5.3  3.4  3.4 10.1  3.8  2.5 21.7  5.3  1.6  4.1  2.9
2.9 13.0  1.0  3.8  3.8  1.9  5.8  1.0  2.9  3.8  1.3  1.3  1.4 12.0 12.0
K3  1.08  5.2  5.2 23.7  8.1  5.2  5.2 15.5  5.9  3.5 30.7  7.5  2.3  5.8  4.1
4.1 27.0  1.3  5.3  5.3  2.6  7.9  1.3  4.0  5.3  1.7  1.7  1.7 21.6 21.0
K3  1.17  7.0  7.0 32.0 11.0  7.0  7.0 21.0  8.0  4.9 42.9 10.5  3.2  8.1  5.7
5.7 19.0  1.9  7.5  7.5  3.8 11.3  1.9  5.6  7.5  2.0  2.0  2.0 16.8 21.0
K3  1.25  5.7  5.7 26.2  9.0  5.7  5.7 17.2  6.6  4.4 38.7  9.5  2.9  7.3  5.1
5.1 12.0  1.8  7.2  7.2  3.6 10.8  1.8  5.4  7.2  2.0  2.0  2.0 11.2 15.0
K3  1.33  4.3  4.3 19.5  6.7  4.3  4.3 12.8  4.9  3.5 30.7  7.5  2.3  5.8  4.1
4.1  9.0  1.4  5.8  5.8  2.9  8.6  1.4  4.3  5.8  2.3  2.3  2.4 10.4 12.0
K3  1.42  3.4  3.4 15.7  5.4  3.4  3.4 10.3  3.9  2.9 26.0  6.4  2.0  4.9  3.4
3.4  8.0  1.2  5.0  5.0  2.5  7.4  1.2  3.7  5.0  2.3  2.3  2.4  9.6 11.0
K3  1.50  3.0  3.0 13.8  4.7  3.0  3.0  9.0  3.4  2.7 23.8  5.8  1.8  4.5  3.2
3.2  7.0  1.1  4.5  4.5  2.2  6.7  1.1  3.4  4.5  2.3  2.3  2.4  8.8 11.0
K3  1.58  2.8  2.8 12.8  4.4  2.8  2.8  8.4  3.2  2.5 22.3  5.5  1.7  4.2  2.9
2.9  6.0  1.0  4.2  4.2  2.1  6.2  1.0  3.1  4.2  2.3  2.3  2.4  8.0 10.0
```

```
K3  1.67  2.6  2.6 11.8  4.1  2.6  2.6  7.8  3.0  2.4 21.2  5.2  1.6  4.0  2.8
2.8  6.0  1.0  4.0  4.0  2.0  6.0  1.0  3.0  4.0  2.6  2.6  2.7  8.0 10.0
K3  1.75  2.5  2.5 11.2  3.8  2.5  2.5  7.3  2.8  2.3 20.7  5.1  1.6  3.9  2.7
2.7  5.0  1.0  4.0  4.0  2.0  6.0  1.0  3.0  4.0  2.6  2.6  2.7  8.0 10.0
K3  1.83  2.4  2.4 10.9  3.7  2.4  2.4  7.1  2.7  2.3 20.1  4.9  1.5  3.8  2.7
2.7  5.0  1.0  3.8  3.8  1.9  5.8  1.0  2.9  3.8  2.6  2.6  2.7  8.0  9.0
K3  1.92  2.2  2.2 10.2  3.5  2.2  2.2  6.7  2.6  2.3 20.1  4.9  1.5  3.8  2.7
2.7  5.0  1.0  3.8  3.8  1.9  5.8  1.0  2.9  3.8  2.6  2.6  2.7  7.2  9.0
K3  2.00  2.2  2.2  9.9  3.4  2.2  2.2  6.5  2.5  2.2 19.6  4.8  1.5  3.7  2.6
2.6  4.0  1.0  3.8  3.8  1.9  5.8  1.0  2.9  3.8  2.6  2.6  2.7  7.2  9.0
K3  2.08  2.2  2.2  9.9  3.4  2.2  2.2  6.5  2.5  2.2 19.6  4.8  1.5  3.7  2.6
2.6  4.0  0.9  3.7  3.7  1.8  5.5  0.9  2.8  3.7  2.6  2.6  2.7  7.2  9.0
K3  2.17  2.1  2.1  9.6  3.3  2.1  2.1  6.3  2.4  2.2 19.1  4.7  1.4  3.6  2.5
2.5  4.0  0.9  3.7  3.7  1.8  5.5  0.9  2.8  3.7  2.6  2.6  2.7  7.2  8.0
K3  2.25  2.0  2.0  9.3  3.2  2.0  2.0  6.1  2.3  2.2 19.1  4.7  1.4  3.6  2.5
2.5  4.0  0.9  3.7  3.7  1.8  5.5  0.9  2.8  3.7  2.6  2.6  2.7  6.4  8.0
K3  2.33  2.0  2.0  9.3  3.2  2.0  2.0  6.1  2.3  2.1 18.5  4.5  1.4  3.5  2.5
2.5  4.0  0.9  3.7  3.7  1.8  5.5  0.9  2.8  3.7  2.6  2.6  2.7  6.4  8.0
K3  2.42  2.0  2.0  9.0  3.1  2.0  2.0  5.9  2.2  2.1 18.5  4.5  1.4  3.5  2.5
2.5  4.0  0.9  3.5  3.5  1.8  5.3  0.9  2.6  3.5  2.6  2.6  2.7  6.4  8.0
K3  2.50  2.0  2.0  9.0  3.1  2.0  2.0  5.9  2.2  2.1 18.5  4.5  1.4  3.5  2.5
2.5  3.0  0.9  3.5  3.5  1.8  5.3  0.9  2.6  3.5  3.0  3.0  3.1  6.4  8.0
K3  2.75  1.8  1.8  8.3  2.9  1.8  1.8  5.5  2.1  2.0 18.0  4.4  1.4  3.4  2.4
2.4  3.0  0.9  3.5  3.5  1.8  5.3  0.9  2.6  3.5  3.0  3.0  3.1  5.6  7.0
K3  3.00  1.8  1.8  8.0  2.8  1.8  1.8  5.3  2.0  2.0 17.5  4.3  1.3  3.3  2.3
2.3  3.0  0.8  3.4  3.4  1.7  5.0  0.8  2.5  3.4  3.0  3.0  3.1  4.8  6.0
K3  3.25  1.7  1.7  7.7  2.6  1.7  1.7  5.0  1.9  1.9 16.4  4.0  1.2  3.1  2.2
2.2  3.0  0.8  3.4  3.4  1.7  5.0  0.8  2.5  3.4  3.0  3.0  3.1  4.8  6.0
K3  3.50  1.6  1.6  7.4  2.5  1.6  1.6  4.8  1.8  1.8 15.9  3.9  1.2  3.0  2.1
2.1  3.0  0.8  3.2  3.2  1.6  4.8  0.8  2.4  3.2  2.6  2.6  2.7  4.0  5.0
K3  3.75  1.5  1.5  7.0  2.4  1.5  1.5  4.6  1.8  1.7 14.8  3.6  1.1  2.8  2.0
2.0  2.0  0.8  3.0  3.0  1.5  4.6  0.8  2.3  3.0  2.6  2.6  2.7  4.0  5.0
K3  4.00  1.4  1.4  6.4  2.2  1.4  1.4  4.2  1.6  1.6 14.3  3.5  1.1  2.7  1.9
1.9  2.0  0.7  2.9  2.9  1.4  4.3  0.7  2.2  2.9  2.6  2.6  2.7  4.0  5.0
K3  4.25  1.3  1.3  6.1  2.1  1.3  1.3  4.0  1.5  1.5 13.2  3.3  1.0  2.5  1.8
1.8  2.0  0.7  2.7  2.7  1.4  4.1  0.7  2.0  2.7  2.3  2.3  2.4  4.0  4.0
K3  4.50  1.3  1.3  5.8  2.0  1.3  1.3  3.8  1.4  1.4 12.2  3.0  0.9  2.3  1.6
1.6  2.0  0.6  2.6  2.6  1.3  3.8  0.6  1.9  2.6  2.3  2.3  2.4  3.2  4.0
K3  4.75  1.3  1.3  5.8  2.0  1.3  1.3  3.8  1.4  1.3 11.7  2.9  0.9  2.2  1.5
1.5  2.0  0.6  2.4  2.4  1.2  3.6  0.6  1.8  2.4  2.3  2.3  2.4  3.2  4.0
K3  5.00  1.2  1.2  5.4  1.9  1.2  1.2  3.6  1.4  1.3 11.1  2.7  0.8  2.1  1.5
1.5  2.0  0.6  2.2  2.2  1.1  3.4  0.6  1.7  2.2  2.0  2.0  2.0  3.2  4.0
$ENDPROGRAM
```

```
SW 1 0 0
MM 3 10 11 12
$ANUM
$EXTRAN
A1 'Morgan Hill-- subbasins fis10-fis105 '
A1 'System 12c--outfall to Fisher Ck '
B1 7200  2.0  0.0  1  30  30  0
B2 0 1 0.0 30 0.08
B3 1 3 0 0 9
B4 coc16
B5 coc14 coc15a coc18
* pipe data
C1  cci8   cci8   cci9    0.0  1  0.0 1.50  0.0  129  0.0  0.0  0.015  0.0 0.0
C1  cci9   cci9   coc10   0.0  1  0.0 1.75  0.0  329  0.0  0.0  0.015  0.0 0.0
C1  coc10  coc10  coc14   0.0  1  0.0 2.00  0.0  428  0.0  0.0  0.015  0.0 0.0
C1  coc12  coc12  coc13   0.0  1  0.0 2.25  0.0  512  0.0  0.0  0.015  0.0 0.0
C1  coc13  coc13  coc14   0.0  1  0.0 2.50  0.0   79  0.0  0.0  0.015  0.0 0.0
C1  coc14  coc14  coc15   0.0  1  0.0 3.00  0.0  378  0.3  0.0  0.015  0.0 0.0
C1  mon50  mon50  mon51   0.0  1  0.0 1.50  0.0  370  0.0  0.0  0.015  0.0 0.0
C1  mon51  mon51  coc15   0.0  1  0.0 1.75  0.0  200  0.0  0.0  0.015  0.0 0.0
C1  coc15a coc15  coc16   0.0  1  0.0 2.50  0.0   70  0.0  0.0  0.015  0.0 0.0
C1  coc15b coc15  coc11   0.0  1  0.0 3.00  0.0   25  0.0  0.0  0.015  0.0 0.0
C1  coc11  coc11  coc17   0.0  1  0.0 3.00  0.0  183  0.0  0.5  0.015  0.0 0.0
C1  coc17  coc17  coc18   0.0  1  0.0 3.50  0.0  600  0.0  0.0  0.015  0.0 0.0
C1  coc18  coc18  coc19   0.0  1  0.0 4.00  0.0   30  0.0  0.0  0.015  0.0 0.0
* junction data
D1  cci8   354.2  350.2   0.0  0.0
D1  cci9   353.5  349.7   0.0  0.0
D1  coc10  353.4  348.8   0.0  0.0
D1  coc12  353.9  349.2   0.0  0.0
D1  coc13  352.6  347.7   0.0  0.0
D1  coc14  352.8  347.5   0.0  0.0
D1  mon50  354.8  347.4   0.0  0.0
D1  mon51  354.8  346.6   0.0  0.0
D1  coc15  352.4  346.2   0.0  0.0
D1  coc16  352.0  347.5   0.0  0.0
D1  coc11  350.1  346.1   0.0  0.0
D1  coc17  349.3  340.4   0.0  0.0
D1  coc18  344.6  339.5   0.0  0.0
D1  coc19  346.2  339.4   0.0  0.0
*  pond data
E1  coc16  352.0  59240.0  0.0
*  outfall info
I1 coc19 1
J1 2
J2 343.0
*  5 hrs of 24hr 10-year hydrographs
K1 9
K2 coc12 coc13 coc14 cci8 cci9 coc10 coc15 mon50 mon51
K3  0.00  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
K3  0.33  0.5  2.7  1.1  0.5  1.6  1.1  0.5  0.5  0.5
K3  0.50  0.6  3.0  1.2  0.6  1.8  1.2  0.6  0.5  0.5
K3  0.67  0.7  3.6  1.4  0.7  2.2  1.4  0.7  0.6  0.6
K3  0.83  0.8  4.2  1.7  0.8  2.5  1.7  0.8  0.7  0.7
K3  1.00  1.2  6.0  2.4  1.2  3.6  2.4  1.2  1.0  1.0
K3  1.08  2.0 10.2  4.1  2.0  6.1  4.1  2.0  1.7  1.7
K3  1.17  2.5 12.6  5.0  2.5  7.6  5.0  2.5  2.1  2.1
```

```
K3  1.25  1.9  9.3  3.7  1.9  5.6  3.7  1.9  1.6  1.6
K3  1.33  1.3  6.6  2.6  1.3  4.0  2.6  1.3  1.1  1.1
K3  1.42  1.1  5.7  2.3  1.1  3.4  2.3  1.1  0.9  0.9
K3  1.50  1.0  5.1  2.0  1.0  3.1  2.0  1.0  0.9  0.9
K3  1.58  0.9  4.5  1.8  0.9  2.7  1.8  0.9  0.8  0.8
K3  1.67  0.8  4.2  1.7  0.8  2.5  1.7  0.8  0.7  0.7
K3  1.75  0.8  4.2  1.7  0.8  2.5  1.7  0.8  0.7  0.7
K3  1.83  0.8  3.9  1.6  0.8  2.3  1.6  0.8  0.7  0.7
K3  1.92  0.8  3.9  1.6  0.8  2.3  1.6  0.8  0.7  0.7
K3  2.00  0.7  3.6  1.4  0.7  2.2  1.4  0.7  0.6  0.6
K3  2.08  0.7  3.6  1.4  0.7  2.2  1.4  0.7  0.6  0.6
K3  2.17  0.7  3.3  1.3  0.7  2.0  1.3  0.7  0.6  0.6
K3  2.25  0.7  3.3  1.3  0.7  2.0  1.3  0.7  0.6  0.6
K3  2.33  0.7  3.3  1.3  0.7  2.0  1.3  0.7  0.6  0.6
K3  2.42  0.6  3.0  1.2  0.6  1.8  1.2  0.6  0.5  0.5
K3  2.50  0.6  3.0  1.2  0.6  1.8  1.2  0.6  0.5  0.5
K3  2.75  0.5  2.7  1.1  0.5  1.6  1.1  0.5  0.5  0.5
K3  3.00  0.5  2.4  1.0  0.5  1.4  1.0  0.5  0.4  0.4
K3  3.25  0.5  2.4  1.0  0.5  1.4  1.0  0.5  0.4  0.4
K3  3.50  0.4  2.1  0.8  0.4  1.3  0.8  0.4  0.3  0.3
K3  3.75  0.4  2.1  0.8  0.4  1.3  0.8  0.4  0.3  0.3
K3  4.00  0.4  2.1  0.8  0.4  1.3  0.8  0.4  0.3  0.3
K3  4.25  0.4  1.8  0.7  0.4  1.1  0.7  0.4  0.3  0.3
K3  4.50  0.4  1.8  0.7  0.4  1.1  0.7  0.4  0.3  0.3
K3  4.75  0.4  1.8  0.7  0.4  1.1  0.7  0.4  0.3  0.3
K3  5.00  0.4  1.8  0.7  0.4  1.1  0.7  0.4  0.3  0.3
$ENDPROGRAM
```

```
SW 1 0 0
MM 3 10 11 12
$ANUM
$EXTRAN
A1 'Morgan Hill-- subbasins but30-but45'
A1 'System 2b-- outfalls to butterfield channel'
B1 7200  2.0  0.0  1  30  30  0
B2 0 1 0.0 30 0.08
B3 0 3 0 0 13
B5 cen4 cen6 cen10
* pipe data
C1  cen1   cen1   cen2    0.0  1  0.0 2.25  0.0  265  0.0  0.0  0.015  0.0 0.0
C1  ben10  ben10  cen2    0.0  1  0.0 1.50  0.0  314  0.0  1.0  0.015  0.0 0.0
C1  cen2   cen2   cen3    0.0  1  0.0 2.50  0.0  648  1.0  0.0  0.015  0.0 0.0
C1  cen3   cen3   cen4    0.0  1  0.0 3.00  0.0  756  0.0  1.3  0.015  0.0 0.0
C1  gra4   gra4   cen4    0.0  1  0.0 1.50  0.0  267  0.0  0.0  0.015  0.0 0.0
C1  cen4   cen4   cen5    0.0  1  0.0 3.00  0.0  228  0.0  0.0  0.015  0.0 0.0
C1  cal2   cal2   cal3    0.0  1  0.0 2.50  0.0  412  0.0  0.0  0.015  0.0 0.0
C1  cal3   cal3   cen5    0.0  1  0.0 2.00  0.0  253  0.0  1.1  0.015  0.0 0.0
C1  cal4   cal4   cen5    0.0  1  0.0 1.25  0.0  108  0.0  0.0  0.015  0.0 0.0
C1  cen5   cen5   cen6    0.0  1  0.0 3.00  0.0  430  0.0  0.6  0.015  0.0 0.0
C1  cal10  cal10  cen6    0.0  1  0.0 3.00  0.0  218  0.0  0.6  0.015  0.0 0.0
C1  cen6   cen6   cen7    0.0  1  0.0 3.50  0.0  305  0.0  0.2  0.015  0.0 0.0
C1  cen9   cen9   cen8    0.0  1  0.0 0.75  0.0   80  0.0  0.0  0.015  0.0 0.0
C1  cen8   cen8   cen7    0.0  1  0.0 1.25  5.0   84  0.0  1.7  0.015  0.0 0.0
C1  cen7   cen7   cen10   0.0  1  0.0 4.00  0.0  417  0.0  0.0  0.015  0.0 0.0
C1  cen10  cen10  but28   0.0  1  0.0 4.05  0.0   27  0.0  0.0  0.015  0.0 0.0
* junction data
D1  cen1   368.3   359.8   0.0  0.0
D1  ben10  365.0   360.0   0.0  0.0
D1  cen2   367.6   358.0   0.0  0.0
D1  cen3   362.1   353.3   0.0  0.0
D1  gra4   356.8   351.4   0.0  0.0
D1  cen4   360.0   349.4   0.0  0.0
D1  cal2   359.1   353.8   0.0  0.0
D1  cal3   357.3   353.2   0.0  0.0
D1  cal4   356.5   351.0   0.0  0.0
D1  cen5   356.0   348.6   0.0  0.0
D1  cal10  354.0   348.0   0.0  0.0
D1  cen6   353.7   346.6   0.0  0.0
D1  cen9   356.0   353.9   0.0  0.0
D1  cen8   352.3   347.1   0.0  0.0
D1  cen7   352.0   344.7   0.0  0.0
D1  cen10  352.2   344.5   0.0  0.0
D1  but28  352.0   344.3   0.0  0.0
*  pond data
E1 cal4  356.5  10455  0.0
E1 cen9  356.0  19610  0.0
*  outfall data
I1 but28 1
J1 2
J2 348.0
*  5 hrs of 24hr 10-year hydrographs
K1 13
K2 cen1 ben10 cal2 cen1 gra4 cen5 cen8 cal3 cen6 cal10 cen7 cen7 cen10
K3  0.00  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
K3  0.33  5.0  2.3  4.5  2.3  2.8  1.0  0.2  1.0  0.5  0.5  1.0  1.8  1.8
```

K3	0.50	5.0	2.5	5.0	2.5	3.5	1.3	0.3	1.0	0.5	0.5	1.0	2.1	2.1
K3	0.67	6.0	2.8	5.5	2.8	4.2	1.5	0.3	1.0	0.5	0.5	1.0	2.4	2.4
K3	0.83	7.0	3.3	6.5	3.3	4.9	1.8	0.3	2.0	0.5	0.5	1.0	2.7	2.7
K3	1.00	9.0	4.8	9.5	4.8	7.7	2.8	0.6	3.0	1.0	1.0	1.0	4.5	4.5
K3	1.08	13.0	7.5	15.0	7.5	14.0	5.0	1.0	5.0	2.0	2.0	2.0	8.1	8.1
K3	1.17	19.0	8.8	17.5	8.8	9.1	3.3	0.7	4.0	1.0	1.0	2.0	6.3	6.3
K3	1.25	15.0	6.5	13.0	6.5	8.4	3.0	0.6	3.0	1.0	1.0	2.0	4.2	4.2
K3	1.33	12.0	5.5	11.0	5.5	8.4	3.0	0.6	3.0	1.0	1.0	2.0	3.9	3.9
K3	1.42	10.0	5.0	10.0	5.0	7.7	2.8	0.6	3.0	1.0	1.0	2.0	3.6	3.6
K3	1.50	10.0	4.8	9.5	4.8	7.7	2.8	0.6	3.0	1.0	1.0	1.0	3.3	3.3
K3	1.58	9.0	4.5	9.0	4.5	7.0	2.5	0.5	3.0	1.0	1.0	1.0	3.0	3.0
K3	1.67	9.0	4.3	8.5	4.3	6.3	2.3	0.5	3.0	1.0	1.0	1.0	3.0	3.0
K3	1.75	9.0	4.0	8.0	4.0	6.3	2.3	0.5	2.0	1.0	1.0	1.0	3.0	3.0
K3	1.83	8.0	3.8	7.5	3.8	5.6	2.0	0.4	2.0	0.5	0.5	1.0	3.0	3.0
K3	1.92	8.0	3.5	7.0	3.5	4.9	1.8	0.3	2.0	0.5	0.5	1.0	2.7	2.7
K3	2.00	8.0	3.3	6.5	3.3	4.9	1.8	0.3	2.0	0.5	0.5	1.0	2.7	2.7
K3	2.08	8.0	3.0	6.0	3.0	4.2	1.5	0.3	2.0	0.5	0.5	1.0	2.7	2.7
K3	2.17	7.0	2.8	5.5	2.8	4.2	1.5	0.3	2.0	0.5	0.5	1.0	2.7	2.7
K3	2.25	7.0	2.8	5.5	2.8	4.2	1.5	0.3	2.0	0.5	0.5	1.0	2.4	2.4
K3	2.33	7.0	2.5	5.0	2.5	4.2	1.5	0.3	2.0	0.5	0.5	1.0	2.4	2.4
K3	2.42	6.0	2.5	5.0	2.5	3.5	1.3	0.3	2.0	0.5	0.5	1.0	2.4	2.4
K3	2.50	6.0	2.5	5.0	2.5	3.5	1.3	0.3	2.0	0.5	0.5	1.0	2.4	2.4
K3	2.75	5.0	2.3	4.5	2.3	3.5	1.3	0.3	1.0	0.5	0.5	1.0	2.1	2.1
K3	3.00	5.0	2.0	4.0	2.0	3.5	1.3	0.3	1.0	0.5	0.5	1.0	1.8	1.8
K3	3.25	5.0	1.8	3.5	1.8	2.8	1.0	0.2	1.0	0.5	0.5	1.0	1.8	1.8
K3	3.50	4.0	1.8	3.5	1.8	2.8	1.0	0.2	1.0	0.5	0.5	1.0	1.5	1.5
K3	3.75	4.0	1.8	3.5	1.8	2.8	1.0	0.2	1.0	0.5	0.5	1.0	1.5	1.5
K3	4.00	4.0	1.5	3.0	1.5	2.8	1.0	0.2	1.0	0.5	0.5	1.0	1.5	1.5
K3	4.25	4.0	1.5	3.0	1.5	2.8	1.0	0.2	1.0	0.5	0.5	1.0	1.5	1.5
K3	4.50	4.0	1.5	3.0	1.5	2.8	1.0	0.2	1.0	0.5	0.5	1.0	1.2	1.2
K3	4.75	3.0	1.5	3.0	1.5	2.1	0.8	0.2	1.0	0.5	0.5	1.0	1.2	1.2
K3	5.00	3.0	1.5	3.0	1.5	2.1	0.8	0.2	1.0	0.5	0.5	1.0	1.2	1.2

$ENDPROGRAM

```
SW 1 0 0
MM 3 10 11 12
$ANUM
$EXTRAN
A1 'Morgan Hill-- subbasins but82-but148'
A1 'System 2a--two outfalls to butterfield channel?'
B1 9000  2.0  0.0  1  30  30  0
B2 0 1 0.0 30 0.08
B3 3 4 0 0 49
B4 mon24 dia21 stj3
B5 cal40 cal32a gra6 dia28
* pipe data
C1  cal19  cal19  cal20   0.0  1  0.0 1.50  0.0  155  0.0  0.0  0.015  0.0 0.0
C1  cal20  cal20  cal21   0.0  1  0.0 1.50  0.0  387  0.0  0.0  0.015  0.0 0.0
C1  cal22  cal22  cal23   0.0  1  0.0 1.50  0.0   95  0.0  0.0  0.015  0.0 0.0
C1  cal23  cal23  cal24   0.0  1  0.0 1.00  0.0   60  0.0  0.0  0.015  0.0 0.0
C1  cal24  cal24  cal21   0.0  1  0.0 1.25  0.0   92  0.0  0.0  0.015  0.0 0.0
C1  cal21  cal21  cal31   0.0  1  0.0 1.75  0.0  349  0.0  0.0  0.015  0.0 0.0
C1  cal30  cal30  cal31   0.0  1  0.0 1.25  0.0  530  0.0  0.1  0.015  0.0 0.0
C1  cal31  cal31  cal32   0.0  1  0.0 1.75  0.0  255  0.0  2.1  0.015  0.0 0.0
C1  cal32b cal32  cal33   0.0  1  0.0 1.75  0.0  310  0.0  0.0  0.015  0.0 0.0
C1  cal33  cal33  cal40   0.0  1  0.0 1.75  0.0  238  0.0  0.5  0.015  0.0 0.0
C1  cal35  cal35  cal40   0.0  1  0.0 1.50  0.0  600  0.0  0.5  0.015  0.0 0.0
*  but35 is an outfall
C1  cal40  cal40  but35   0.0  1  0.0 2.00  0.0  140  0.0  0.0  0.015  0.0 0.0
C1  cal32a cal32  cor30   0.0  1  0.0 2.25  0.0  630  0.0  0.0  0.015  0.0 0.0
C1  mon24  mon24  mon23   0.0  1  0.0 1.25  0.0  385  0.0  0.0  0.015  0.0 0.0
C1  mon23  mon23  mon26   0.0  1  0.0 1.50  0.0  298  0.0  0.0  0.015  0.0 0.0
C1  car10  car10  mon26   0.0  1  0.0 1.50  0.0  438  0.0  0.0  0.015  0.0 0.0
C1  mon26  mon26  gra1    0.0  1  0.0 2.00  0.0  455  0.0  0.0  0.015  0.0 0.0
C1  gra1   gra1   gra2    0.0  1  0.0 2.25  0.0  525  1.5  0.0  0.015  0.0 0.0
C1  gra2   gra2   gra3    0.0  1  0.0 2.25  0.0  448  0.0  0.0  0.015  0.0 0.0
C1  gra3   gra3   cor30   0.0  1  0.0 2.25  0.0  448  0.0  2.1  0.015  0.0 0.0
C1  cor30  cor30  cal29   0.0  1  0.0 3.00  0.0  263  0.0  0.0  0.015  0.0 0.0
C1  cal29  cal29  dia26   0.0  1  0.0 3.00  0.0  378  0.0  0.0  0.015  0.0 0.0
C1  wal10  wal10  dia18   0.0  1  0.0 1.50  0.0  883  0.0  0.0  0.015  0.0 0.0
C1  dia18  dia18  dia19   0.0  1  0.0 2.00  0.0  175  0.0  0.0  0.015  0.0 0.0
C1  wal20  wal20  wal21   0.0  1  0.0 1.50  0.0  497  0.0  0.0  0.015  0.0 0.0
C1  wal21  wal21  dia19   0.0  1  0.0 2.00  0.0  298  0.0  0.0  0.015  0.0 0.0
C1  dia19  dia19  dia20   0.0  1  0.0 2.50  0.0  457  0.0  0.0  0.015  0.0 0.0
C1  dia21a dia21  dia20   0.0  1  0.0 1.75  0.0   60  0.0  0.0  0.015  0.0 0.0
C1  dia21b dia21  dia20   0.0  1  0.0 1.75  0.0   60  0.0  0.0  0.015  0.0 0.0
C1  dia20  dia20  dia22   0.0  1  0.0 2.50  0.0  256  0.0  0.0  0.015  0.0 0.0
C1  bel1   bel1   bel2    0.0  1  0.0 1.50  0.0  588  0.0  0.0  0.015  0.0 0.0
C1  bel2   bel2   bel3    0.0  1  0.0 1.75  0.0  154  0.0  0.0  0.015  0.0 0.0
C1  bel3   bel3   ser25   0.0  1  0.0 2.00  0.0  263  0.0  0.6  0.015  0.0 0.0
C1  ser25  ser25  dia22   0.0  1  0.0 3.00  0.0 1120  0.0  0.0  0.015  0.0 0.0
C1  ani1   ani1   ani2    0.0  1  0.0 1.50  0.0  419  0.0  0.0  0.015  0.0 0.0
C1  ani2   ani2   dia22   0.0  1  0.0 1.75  0.0  392  0.0  0.0  0.015  0.0 0.0
C1  dai22  dia22  dia23   0.0  1  0.0 3.00  0.0  245  0.0  0.0  0.015  0.0 0.0
C1  jam1   jam1   dia23   0.0  1  0.0 1.50  0.0  665  0.0  0.0  0.015  0.0 0.0
C1  dia23  dia23  dia24   0.0  1  0.0 3.00  0.0  100  0.0  0.0  0.015  0.0 0.0
C1  lot1   lot1   dia24   0.0  1  0.0 1.75  0.0  212  0.0  1.2  0.015  0.0 0.0
C1  dia24  dia24  gra6    0.0  1  0.0 3.00  0.0  815  0.0  4.4  0.015  0.0 0.0
C1  gra6   gra6   dia25   0.0  1  0.0 3.00  0.0  420  0.0  0.0  0.015  0.0 0.0
C1  stj4   stj4   stj2    0.0  1  0.0 1.50  0.0  463  0.0  0.0  0.015  0.0 0.0
C1  stj1   stj1   stj2    0.0  1  0.0 1.50  0.0  259  0.0  0.0  0.015  0.0 0.0
```

```
C1  stj2   stj2   stj3    0.0  1  0.0 2.00  0.0  160  0.0  0.0  0.015  0.0 0.0
C1  stj3   stj3   dia25   0.0  1  0.0 1.25  0.0  348  0.0  1.0  0.015  0.0 0.0
C1  dia25  dia25  dia26   0.0  1  0.0 3.00  0.0  630  0.0  0.0  0.015  0.0 0.0
C1  dia26  dia26  dia27   0.0  1  0.0 3.50  0.0  286  0.0  0.0  0.015  0.0 0.0
C1  dia27  dia27  dia28   0.0  1  0.0 4.00  0.0  420  0.0  0.0  0.014  0.0 0.0
C1  dia28  dia28  but4    0.0  1  0.0 4.00  0.0   70  0.0  0.0  0.014  0.0 0.0
* junction data
D1  cal19  354.0   349.3   0.0  0.0
D1  cal20  353.0   348.9   0.0  0.0
D1  cal22  354.0   348.1   0.0  0.0
D1  cal23  354.0   347.8   0.0  0.0
D1  cal24  351.8   348.0   0.0  0.0
D1  cal21  350.0   347.5   0.0  0.0
D1  cal30  351.2   348.0   0.0  0.0
D1  cal31  350.0   346.4   0.0  0.0
D1  cal32  350.0   343.0   0.0  0.0
D1  cal33  349.1   342.1   0.0  0.0
D1  cal35  348.6   344.3   0.0  0.0
D1  cal40  349.0   341.5   0.0  0.0
D1  but35  347.0   340.6   0.0  0.0
D1  car10  360.8   354.7   0.0  0.0
D1  mon24  360.0   354.4   0.0  0.0
D1  mon23  359.4   353.3   0.0  0.0
D1  mon26  359.4   352.5   0.0  0.0
D1  gra1   356.0   351.0   0.0  0.0
D1  gra2   356.0   348.9   0.0  0.0
D1  gra3   355.0   347.1   0.0  0.0
D1  cor30  350.0   342.0   0.0  0.0
D1  cal29  350.1   341.1   0.0  0.0
D1  wal10  364.8   358.7   0.0  0.0
D1  dia18  364.2   353.1   0.0  0.0
D1  wal20  359.8   355.0   0.0  0.0
D1  wal21  361.0   353.2   0.0  0.0
D1  dia19  362.5   352.6   0.0  0.0
D1  dia21  360.3   351.5   0.0  0.0
D1  dia20  358.7   351.4   0.0  0.0
D1  bel1   364.1   358.6   0.0  0.0
D1  bel2   364.0   356.5   0.0  0.0
D1  bel3   363.2   356.1   0.0  0.0
D1  ser25  365.4   354.4   0.0  0.0
D1  ani1   358.5   353.4   0.0  0.0
D1  ani2   358.0   352.0   0.0  0.0
D1  dia22  358.0   350.5   0.0  0.0
D1  jam1   355.0   351.8   0.0  0.0
D1  dia23  358.4   349.1   0.0  0.0
D1  lot1   357.6   350.8   0.0  0.0
D1  dia24  358.0   348.8   0.0  0.0
D1  gra6   356.0   341.8   0.0  0.0
D1  stj4   353.3   344.5   0.0  0.0
D1  stj1   352.3   343.9   0.0  0.0
D1  stj2   351.8   343.5   0.0  0.0
D1  stj3   352.6   343.3   0.0  0.0
D1  dia25  354.7   340.7   0.0  0.0
D1  dia26  352.0   339.0   0.0  0.0
D1  dia27  351.0   338.1   0.0  0.0
D1  dia28  349.0   336.9   0.0  0.0
D1  but4   348.0   336.5   0.0  0.0
```

```
*  pond data
E1  cal24  351.8  10890.0  0.0
E1  mon24  360.0  17425.0  0.0
E1  dia21  360.3  16990.0  0.0
E1  stj3   352.6   7410.0  0.0
*  outfall info
I1 but35 1
I1 but4 1
J1 2
J2 344.5
J1 2
J2 342.5
*  5 hrs of 24 hr-10 year h1 hyds
K1 49
K2 cal19 cal22 cal30 cal31 cal20 cal21 cal40 cal35 but35 wal10 wal10 dia18 dia19
wal20 wal21 dia20 bel1 bel2 ser25 ani1 ani2 jam1 dia22 ani1 ani2 jam1 lot1 gra6
dia22 dia23 dia24 stj4 stj2 stj1 dia25 dia25 dia26 car10
   mon26 mon24 mon23 gra1 cor30 gra2 gra3 cal29 dia26 dia27 dia28
K3  0.00  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
      0.0  0.0  0.0  0.0  0.0  0.0  0.0
K3  0.33  0.5  0.5  0.6  1.3  1.0  1.0  0.7  1.0  0.6  3.0  0.6  1.4  1.0  0.6
0.6  0.7  0.4  0.9  1.1  0.2  0.2  0.2  2.0  0.7  0.7  0.7  1.0  3.0  0.3  0.5
0.3  0.6  0.5  0.5  0.4  0.5  0.5  2.0  0.7  2.0  0.4  1.0
      1.7  0.7  1.0  1.0  0.6  1.0  1.0
K3  0.50  0.5  0.5  0.7  1.5  1.1  1.1  0.8  1.1  0.7  3.0  0.8  1.6  1.2  0.8
0.8  0.8  0.4  0.9  1.1  0.2  0.2  0.2  2.0  1.0  1.0  1.0  1.0  4.0  0.3  0.5
0.3  0.6  0.5  0.5  0.4  1.0  1.0  2.3  0.8  2.3  0.4  1.2
      1.7  0.7  1.0  1.0  0.6  1.0  1.0
K3  0.67  1.0  1.0  0.8  1.7  1.3  1.3  0.9  1.3  0.8  3.0  0.8  1.6  1.2  0.8
0.8  0.8  0.4  0.9  1.1  0.2  0.2  0.2  3.0  1.0  1.0  1.0  1.0  4.0  0.3  0.5
0.3  0.6  0.5  0.5  0.4  1.0  1.0  2.6  0.9  2.6  0.5  1.4
      2.0  0.8  1.2  1.2  0.8  2.0  1.0
K3  0.83  1.0  1.0  0.9  1.9  1.4  1.4  1.0  1.4  0.9  4.0  1.0  2.2  1.6  1.0
1.0  1.1  0.5  1.2  1.5  0.3  0.3  0.2  3.0  1.4  1.3  1.3  1.0  5.0  0.3  0.5
0.3  0.9  0.8  0.8  0.6  1.0  1.0  3.0  1.0  3.0  0.5  1.5
      2.3  1.0  1.4  1.4  0.9  2.0  2.0
K3  1.00  1.5  1.5  1.3  2.7  2.1  2.1  1.4  2.1  1.3  5.0  1.4  3.0  2.2  1.4
1.4  1.5  0.6  1.4  1.9  0.4  0.4  0.3  4.0  2.0  2.0  2.0  1.0  6.0  0.5  1.0
0.5  1.2  1.0  1.0  0.8  2.0  2.0  4.3  1.4  4.3  0.8  2.2
      3.3  1.4  2.0  2.0  1.3  3.0  2.0
K3  1.08  2.0  2.0  2.3  4.8  3.7  3.7  2.5  3.7  2.3  8.0  2.5  5.1  3.8  2.5
2.5  2.7  1.0  2.3  3.0  0.6  0.6  0.4  8.0  3.4  3.3  3.3  2.0  9.0  1.0  2.0
1.0  2.1  1.8  1.8  1.4  3.5  3.5  7.9  2.6  7.9  1.4  4.1
      5.3  2.2  3.2  3.2  2.1  4.0  3.0
K3  1.17  2.5  2.5  1.9  4.0  3.0  3.0  2.1  3.0  1.9  9.0  2.2  4.6  3.4  2.2
2.2  2.4  1.1  2.6  3.4  0.7  0.7  0.5  7.0  2.7  2.6  2.6  2.0 12.0  1.0  2.0
1.0  1.8  1.5  1.5  1.2  2.5  2.5  5.9  2.0  5.9  1.1  3.1
      6.3  2.7  3.8  3.8  2.5  5.0  3.0
K3  1.25  2.0  2.0  1.6  3.4  2.6  2.6  1.8  2.6  1.6  7.0  1.7  3.5  2.6  1.7
1.7  1.8  1.0  2.3  3.0  0.6  0.6  0.4  5.0  2.4  2.3  2.3  2.0 11.0  0.8  1.5
0.8  1.5  1.3  1.3  1.0  1.5  1.5  5.0  1.6  5.0  0.9  2.5
      5.0  2.1  3.0  3.0  1.9  4.0  4.0
K3  1.33  1.5  1.5  1.5  3.1  2.4  2.4  1.6  2.4  1.5  6.0  1.6  3.2  2.4  1.6
1.6  1.7  0.8  2.0  2.7  0.6  0.6  0.3  5.0  2.0  2.0  2.0  2.0  9.0  0.5  1.0
0.5  1.5  1.3  1.3  1.0  1.5  1.5  5.0  1.6  5.0  0.9  2.5
```

4.6 2.0 2.8 2.8 1.8 3.0 4.0
K3 1.42 1.5 1.5 1.5 3.1 2.4 2.4 1.6 2.4 1.5 6.0 1.6 3.2 2.4 1.6
1.6 1.7 0.7 1.7 2.3 0.5 0.5 0.3 5.0 2.0 2.0 2.0 2.0 7.0 0.5 1.0
0.5 1.2 1.0 1.0 0.8 1.0 1.0 4.6 1.5 4.6 0.8 2.4
4.3 1.8 2.6 2.6 1.7 3.0 4.0
K3 1.50 1.5 1.5 1.4 2.9 2.2 2.2 1.5 2.2 1.4 6.0 1.4 3.0 2.2 1.4
1.4 1.5 0.7 1.7 2.3 0.5 0.5 0.3 4.0 2.0 2.0 2.0 2.0 7.0 0.3 0.5
0.3 1.2 1.0 1.0 0.8 1.0 1.0 4.6 1.5 4.6 0.8 2.4
4.3 1.8 2.6 2.6 1.7 3.0 3.0
K3 1.58 1.5 1.5 1.4 2.9 2.2 2.2 1.5 2.2 1.4 6.0 1.4 3.0 2.2 1.4
1.4 1.5 0.7 1.7 2.3 0.5 0.5 0.3 4.0 2.0 2.0 2.0 2.0 6.0 0.3 0.5
0.3 1.2 1.0 1.0 0.8 1.0 1.0 4.3 1.4 4.3 0.8 2.2
4.0 1.7 2.4 2.4 1.6 2.0 3.0
K3 1.67 1.0 1.0 1.3 2.7 2.1 2.1 1.4 2.1 1.3 6.0 1.4 3.0 2.2 1.4
1.4 1.5 0.6 1.4 1.9 0.4 0.4 0.3 4.0 1.7 1.7 1.7 2.0 6.0 0.3 0.5
0.3 1.2 1.0 1.0 0.8 1.0 1.0 4.3 1.4 4.3 0.8 2.2
3.6 1.5 2.2 2.2 1.4 2.0 3.0
K3 1.75 1.0 1.0 1.2 2.5 1.9 1.9 1.3 1.9 1.2 5.0 1.3 2.7 2.0 1.3
1.3 1.4 0.6 1.4 1.9 0.4 0.4 0.3 4.0 1.7 1.7 1.7 2.0 6.0 0.3 0.5
0.3 1.2 1.0 1.0 0.8 1.0 1.0 4.0 1.3 4.0 0.7 2.0
3.3 1.4 2.0 2.0 1.3 2.0 3.0
K3 1.83 1.0 1.0 1.1 2.3 1.8 1.8 1.2 1.8 1.1 5.0 1.3 2.7 2.0 1.3
1.3 1.4 0.6 1.4 1.9 0.4 0.4 0.3 4.0 1.7 1.7 1.7 2.0 6.0 0.3 0.5
0.3 0.9 0.8 0.8 0.6 1.0 1.0 4.0 1.3 4.0 0.7 2.0
3.3 1.4 2.0 2.0 1.3 2.0 3.0
K3 1.92 1.0 1.0 1.0 2.1 1.6 1.6 1.1 1.6 1.0 5.0 1.2 2.4 1.8 1.2
1.2 1.3 0.6 1.4 1.9 0.4 0.4 0.3 4.0 1.4 1.3 1.3 2.0 6.0 0.3 0.5
0.3 0.9 0.8 0.8 0.6 0.5 0.5 3.6 1.2 3.6 0.7 1.9
3.0 1.3 1.8 1.8 1.2 2.0 2.0
K3 2.00 1.0 1.0 1.0 2.1 1.6 1.6 1.1 1.6 1.0 5.0 1.2 2.4 1.8 1.2
1.2 1.3 0.6 1.4 1.9 0.4 0.4 0.3 4.0 1.4 1.3 1.3 2.0 5.0 0.3 0.5
0.3 0.9 0.8 0.8 0.6 0.5 0.5 3.3 1.1 3.3 0.6 1.7
2.6 1.1 1.6 1.6 1.0 2.0 2.0
K3 2.08 1.0 1.0 0.9 1.9 1.4 1.4 1.0 1.4 0.9 5.0 1.0 2.2 1.6 1.0
1.0 1.1 0.6 1.4 1.9 0.4 0.4 0.3 4.0 1.4 1.3 1.3 2.0 5.0 0.3 0.5
0.3 0.9 0.8 0.8 0.6 0.5 0.5 3.3 1.1 3.3 0.6 1.7
2.6 1.1 1.6 1.6 1.0 2.0 2.0
K3 2.17 1.0 1.0 0.8 1.7 1.3 1.3 0.9 1.3 0.8 4.0 1.0 2.2 1.6 1.0
1.0 1.1 0.6 1.4 1.9 0.4 0.4 0.3 3.0 1.4 1.3 1.3 1.0 5.0 0.3 0.5
0.3 0.6 0.5 0.5 0.4 0.5 0.5 3.0 1.0 3.0 0.5 1.5
2.3 1.0 1.4 1.4 0.9 2.0 2.0
K3 2.25 1.0 1.0 0.8 1.7 1.3 1.3 0.9 1.3 0.8 4.0 0.9 1.9 1.4 0.9
0.9 1.0 0.5 1.2 1.5 0.3 0.3 0.2 3.0 1.0 1.0 1.0 1.0 5.0 0.3 0.5
0.3 0.6 0.5 0.5 0.4 0.5 0.5 3.0 1.0 3.0 0.5 1.5
2.3 1.0 1.4 1.4 0.9 1.0 2.0
K3 2.33 1.0 1.0 0.8 1.7 1.3 1.3 0.9 1.3 0.8 4.0 0.9 1.9 1.4 0.9
0.9 1.0 0.5 1.2 1.5 0.3 0.3 0.2 3.0 1.0 1.0 1.0 1.0 5.0 0.3 0.5
0.3 0.6 0.5 0.5 0.4 0.5 0.5 2.6 0.9 2.6 0.5 1.4
2.0 0.8 1.2 1.2 0.8 1.0 2.0
K3 2.42 0.5 0.5 0.7 1.5 1.1 1.1 0.8 1.1 0.7 4.0 0.9 1.9 1.4 0.9
0.9 1.0 0.5 1.2 1.5 0.3 0.3 0.2 3.0 1.0 1.0 1.0 1.0 5.0 0.3 0.5
0.3 0.6 0.5 0.5 0.4 0.5 0.5 2.6 0.9 2.6 0.5 1.4
2.0 0.8 1.2 1.2 0.8 1.0 2.0
K3 2.50 0.5 0.5 0.7 1.5 1.1 1.1 0.8 1.1 0.7 3.0 0.8 1.6 1.2 0.8
0.8 0.8 0.5 1.2 1.5 0.3 0.3 0.2 3.0 1.0 1.0 1.0 1.0 5.0 0.3 0.5
0.3 0.6 0.5 0.5 0.4 0.5 0.5 2.6 0.9 2.6 0.5 1.4
2.0 0.8 1.2 1.2 0.8 1.0 2.0

```
K3  2.75  0.5  0.5  0.6  1.3  1.0  1.0  0.7  1.0  0.6  3.0  0.8  1.6  1.2  0.8
0.8  0.8  0.4  0.9  1.1  0.2  0.2  0.2  2.0  1.0  1.0  1.0  1.0  4.0  0.3  0.5
0.3  0.6  0.5  0.5  0.4  0.5  0.5  2.3  0.8  2.3  0.4  1.2
      1.7  0.7  1.0  1.0  0.6  1.0  1.0
K3  3.00  0.5  0.5  0.6  1.3  1.0  1.0  0.7  1.0  0.6  3.0  0.6  1.4  1.0  0.6
0.6  0.7  0.4  0.9  1.1  0.2  0.2  0.2  2.0  0.7  0.7  0.7  1.0  4.0  0.3  0.5
0.3  0.6  0.5  0.5  0.4  0.5  0.5  2.0  0.7  2.0  0.4  1.0
      1.7  0.7  1.0  1.0  0.6  1.0  1.0
K3  3.25  0.5  0.5  0.6  1.3  1.0  1.0  0.7  1.0  0.6  3.0  0.6  1.4  1.0  0.6
0.6  0.7  0.4  0.9  1.1  0.2  0.2  0.2  2.0  0.7  0.7  0.7  1.0  4.0  0.3  0.5
0.3  0.6  0.5  0.5  0.4  0.5  0.5  2.0  0.7  2.0  0.4  1.0
      1.7  0.7  1.0  1.0  0.6  1.0  1.0
K3  3.50  0.5  0.5  0.5  1.0  0.8  0.8  0.6  0.8  0.5  2.0  0.6  1.4  1.0  0.6
0.6  0.7  0.4  0.9  1.1  0.2  0.2  0.2  2.0  0.7  0.7  0.7  1.0  3.0  0.3  0.5
0.3  0.6  0.5  0.5  0.4  0.5  0.5  2.0  0.7  2.0  0.4  1.0
      1.3  0.6  0.8  0.8  0.5  1.0  1.0
K3  3.75  0.5  0.5  0.5  1.0  0.8  0.8  0.6  0.8  0.5  2.0  0.5  1.1  0.8  0.5
0.5  0.6  0.2  0.6  0.8  0.2  0.2  0.1  2.0  0.7  0.7  0.7  1.0  3.0  0.3  0.5
0.3  0.3  0.3  0.3  0.2  0.5  0.5  1.7  0.6  1.7  0.3  0.9
      1.3  0.6  0.8  0.8  0.5  1.0  1.0
K3  4.00  0.5  0.5  0.5  1.0  0.8  0.8  0.6  0.8  0.5  2.0  0.5  1.1  0.8  0.5
0.5  0.6  0.2  0.6  0.8  0.2  0.2  0.1  2.0  0.7  0.7  0.7  1.0  3.0  0.3  0.5
0.3  0.3  0.3  0.3  0.2  0.5  0.5  1.7  0.6  1.7  0.3  0.9
      1.3  0.6  0.8  0.8  0.5  1.0  1.0
K3  4.25  0.5  0.5  0.5  1.0  0.8  0.8  0.6  0.8  0.5  2.0  0.5  1.1  0.8  0.5
0.5  0.6  0.2  0.6  0.8  0.2  0.2  0.1  2.0  0.7  0.7  0.7  1.0  3.0  0.3  0.5
0.3  0.3  0.3  0.3  0.2  0.5  0.5  1.7  0.6  1.7  0.3  0.9
      1.3  0.6  0.8  0.8  0.5  1.0  1.0
K3  4.50  0.5  0.5  0.4  0.8  0.6  0.6  0.4  0.6  0.4  2.0  0.5  1.1  0.8  0.5
0.5  0.6  0.2  0.6  0.8  0.2  0.2  0.1  2.0  0.7  0.7  0.7  1.0  3.0  0.3  0.5
0.3  0.3  0.3  0.3  0.2  0.5  0.5  1.7  0.6  1.7  0.3  0.9
      1.3  0.6  0.8  0.8  0.5  1.0  1.0
K3  4.75  0.5  0.5  0.4  0.8  0.6  0.6  0.4  0.6  0.4  2.0  0.5  1.1  0.8  0.5
0.5  0.6  0.2  0.6  0.8  0.2  0.2  0.1  2.0  0.7  0.7  0.7  1.0  3.0  0.0  0.0
0.0  0.3  0.3  0.3  0.2  0.5  0.5  1.7  0.6  1.7  0.3  0.9
      1.3  0.6  0.8  0.8  0.5  1.0  1.0
K3  5.00  0.5  0.5  0.4  0.8  0.6  0.6  0.4  0.6  0.4  2.0  0.5  1.1  0.8  0.5
0.5  0.6  0.2  0.6  0.8  0.2  0.2  0.1  2.0  0.7  0.7  0.7  1.0  3.0  0.0  0.0
0.0  0.3  0.3  0.3  0.2  0.5  0.5  1.3  0.4  1.3  0.2  0.7
      1.0  0.4  0.6  0.6  0.4  1.0  1.0
$ENDPROGRAM
```

```
SW 1 0 0
MM 3 10 11 12
$ANUM
$EXTRAN
A1 'Morgan Hill-- existing development '
A1 'System 1b--outfall local ditch'
B1 5400  2.0  0.0  1  30  30  0
B2 0 1 0.0 30 0.08
B3 0 3 0 0 6
B5 eag3 eag5 eag7
* pipe data
C1  eag1   eag1   eag2    0.0  1  0.0 1.50  0.0  550  0.0  0.0  0.015  0.0 0.0
C1  eag2   eag2   eag3    0.0  1  0.0 1.75  0.0  261  0.0  0.0  0.015  0.0 0.0
C1  rav1   rav1   blu10   0.0  1  0.0 1.50  0.0  476  0.0  0.0  0.015  0.0 0.0
C1  blu10  blu10  eag3    0.0  1  0.0 2.00  0.0  542  0.7  0.0  0.015  0.0 0.0
C1  eag3   eag3   eag4    0.0  1  0.0 2.25  0.0  320  0.0  0.0  0.015  0.0 0.0
C1  eag4   eag4   eag5    0.0  1  0.0 2.25  0.0   95  0.0  1.3  0.015  0.0 0.0
C1  pee1   pee1   pee2    0.0  1  0.0 2.75  0.0  477  0.0  0.2  0.015  0.0 0.0
C1  pee2   pee2   pee4    0.0  1  0.0 3.00  0.0  917  0.0  0.0  0.015  0.0 0.0
C1  mor1   mor1   pee4    0.0  1  0.0 1.50  0.0  375  0.0  3.5  0.015  0.0 0.0
C1  pee4   pee4   eag5    0.0  1  0.0 3.00  0.0 1071  0.0  0.0  0.015  0.0 0.0
C1  eag5   eag5   eag6    0.0  1  0.0 3.50  0.0  282  0.0  0.0  0.015  0.0 0.0
C1  eag6   eag6   eag7    0.0  1  0.0 4.00  0.0  477  0.0  0.7  0.015  0.0 0.0
C1  eag7   eag7   eag8    0.0  5  0.0 3.00  5.0  178  0.0  0.9  0.022  0.0 0.0
C1  eag8   eag8   out1b   0.0  1  0.0 4.00  0.0  100  0.0  0.0  0.015  0.0 0.0
* junction data
D1  eag1   387.2   381.1   0.0  0.0
D1  eag2   384.3   377.2   0.0  0.0
D1  rav1   386.6   379.2   0.0  0.0
D1  blu10  384.0   376.1   0.0  0.0
D1  eag3   382.9   376.1   0.0  0.0
D1  eag4   381.3   375.1   0.0  0.0
D1  pee1   395.7   382.4   0.0  0.0
D1  pee2   391.7   379.5   0.0  0.0
D1  mor1   386.2   377.7   0.0  0.0
D1  pee4   387.1   373.1   0.0  0.0
D1  eag5   381.9   368.4   0.0  0.0
D1  eag6   376.5   367.3   0.0  0.0
D1  eag7   372.5   364.7   0.0  0.0
D1  eag8   376.0   362.5   0.0  0.0
D1  out1b  372.0   362.0   0.0  0.0
*  outfall data
I1 out1b 1
J1 2
J2 364.0
*  3 hr 25-year hydrographs
K1 6
K2 eag1 rav1 eag4 pee1 mor1 eag6
K3  0.00  0.2  0.2  0.2  0.2  0.2  0.2
K3  0.33  1.0  1.0  1.0  1.0  1.0  1.0
K3  0.50  3.0  2.0  2.0  3.0  2.0  2.0
K3  0.67  5.0  3.0  3.0  6.0  3.0  3.0
K3  0.85  8.5  3.5  3.5  9.5  3.5  3.5
K3  1.00  5.7  3.8  4.0  7.1  4.0  4.2
K3  1.25  3.9  4.0  3.9  6.0  3.9  4.0
K3  1.50  3.3  3.8  3.6  3.8  3.5  3.8
K3  1.75  3.0  3.5  3.3  3.4  3.2  3.3
```

```
K3  2.50  2.0  2.5  2.5  2.5  2.5  2.6
K3  3.00  0.5  0.5  0.5  0.5  0.5  0.5
$ENDPROGRAM
```

```
SW 1 0 0
MM 3 10 11 12
$ANUM
$EXTRAN
A1 'Morgan Hill-- subbasins mad15-mad30'
A1 'System 1a--madron channel outfall '
B1 9000  2.0  0.0  1  30  30  0
B2 0 1 0.0 30 0.08
B3 0 4 1 0 21
B5 coc1 coc2 coc3 coc8
B6 coc2
* pipe data
C1  ave1   ave1   ave2    0.0  1  0.0 1.50  0.0  278  0.0  0.0  0.015  0.0 0.0
C1  ave3   ave3   ave2    0.0  1  0.0 2.25  0.0   60  0.0  0.0  0.015  0.0 0.0
C1  ave2   ave2   ave4    0.0  1  0.0 2.50  0.0  263  0.0  0.0  0.015  0.0 0.0
C1  ave4   ave4   tol1    0.0  1  0.0 2.50  0.0  402  0.0  0.0  0.015  0.0 0.0
C1  tol1   tol1   mis1    0.0  1  0.0 2.75  0.0  188  0.0  0.0  0.015  0.0 0.0
C1  mis1   mis1   mis2    0.0  1  0.0 2.75  0.0  416  0.0  0.0  0.015  0.0 0.0
C1  cap1   cap1   cap2    0.0  1  0.0 1.50  0.0  294  0.0  0.0  0.015  0.0 0.0
C1  cap2   cap2   cap3    0.0  1  0.0 2.00  0.0  281  0.0  0.0  0.015  0.0 0.0
C1  cap3   cap3   cap4    0.0  1  0.0 2.25  0.0  152  0.0  0.0  0.015  0.0 0.0
C1  ine1   ine1   cap4    0.0  1  0.0 2.50  0.0   57  0.0  0.0  0.015  0.0 0.0
C1  cap4   cap4   cap5    0.0  1  0.0 3.50  0.0  243  0.0  0.0  0.015  0.0 0.0
C1  car1   car1   cap5    0.0  1  0.0 1.50  0.0  148  0.0  0.0  0.015  0.0 0.0
C1  cap5   cap5   mis2    0.0  1  0.0 3.50  0.0  136  0.0  0.0  0.015  0.0 0.0
C1  mis2   mis2   mis3    0.0  1  0.0 3.50  0.0  279  0.0  0.0  0.015  0.0 0.0
C1  mis3   mis3   coc1    0.0  1  0.0 4.00  0.0  172  0.0  0.0  0.015  0.0 0.0
C1  coc1   coc1   coc2    0.0  1  0.0 4.00  0.0  396  0.0  0.0  0.015  0.0 0.0
C1  coc2   coc2   coc3    0.0  1  0.0 4.00  0.0   47  0.0  0.0  0.015  0.0 0.0
C1  coc3   coc3   coc4    0.0  1  0.0 2.00  0.0 1131  0.0  0.0  0.015  0.0 0.0
C1  coc4   coc4   coc5    0.0  1  0.0 4.00  0.0  607  1.3  0.0  0.015  0.0 0.0
C1  coc6   coc6   coc5    0.0  1  0.0 1.50  0.0  467  0.0  2.2  0.015  0.0 0.0
C1  coc5   coc5   coc7    0.0  1  0.0 4.00  0.0   58  0.0  0.0  0.015  0.0 0.0
C1  coc7   coc7   coc8    0.0  1  0.0 4.00  0.0   60  0.0  0.0  0.015  0.0 0.0
C1  coc8   coc8   coc9    0.0  1  0.0 5.00  0.0   52  0.0  0.0  0.014  0.0 0.0
* junction data
D1  ave1   393.7   386.5   0.0  0.0
D1  ave3   393.0   385.4   0.0  0.0
D1  ave2   391.2   385.3   0.0  0.0
D1  ave4   389.0   384.7   0.0  0.0
D1  tol1   390.0   383.6   0.0  0.0
D1  mis1   389.3   383.0   0.0  0.0
D1  cap1   394.2   387.4   0.0  0.0
D1  cap2   392.3   385.4   0.0  0.0
D1  cap3   390.2   383.5   0.0  0.0
D1  ine1   388.5   383.2   0.0  0.0
D1  cap4   389.5   383.0   0.0  0.0
D1  car1   387.5   382.7   0.0  0.0
D1  cap5   388.3   382.4   0.0  0.0
D1  mis2   389.0   382.0   0.0  0.0
D1  mis3   387.7   380.7   0.0  0.0
D1  coc1   387.7   380.6   0.0  0.0
D1  coc2   387.0   381.1   0.0  0.0
D1  coc3   387.0   381.1   0.0  0.0
D1  coc4   382.2   374.1   0.0  0.0
D1  coc6   382.2   377.5   0.0  0.0
D1  coc5   381.0   374.1   0.0  0.0
```

```
D1  coc7   381.0   373.9   0.0  0.0
D1  coc8   380.4   373.7   0.0  0.0
D1  coc9   379.8   373.5   0.0  0.0
*  pond data
E1  coc2   387.6   43560. 0.0
*  outfall info
I1 coc9 1
J1 2
J2 377.5
*  5 hr 10-year hydrographs from JHH
K1 21
K2 ave1 cap1 cap2 ave1 ave2 ave3 ave4 tol1 cap1 cap2 cap3 cap4 ine1 cap5 car1
mis3 ine1 coc2 coc3 coc6 coc6
K3  0.00  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
0.0  0.0  0.0  0.0  0.0  0.0  0.0
K3  0.33  1.5  0.8  0.8  0.4  0.4  0.2  0.2  0.4  0.2  0.2  0.4  0.4  0.2  0.2
0.4  0.2  1.5  0.2  1.3  3.0  1.0
K3  0.50  2.0  1.0  1.0  0.5  0.5  0.3  0.3  0.5  0.3  0.3  0.5  0.5  0.3  0.3
0.5  0.3  2.0  0.2  1.8  3.5  1.0
K3  0.67  2.0  1.0  1.0  0.5  0.5  0.3  0.3  0.5  0.3  0.3  0.5  0.5  0.3  0.3
0.5  0.3  2.0  0.2  1.8  4.0  1.2
K3  0.83  2.5  1.3  1.3  0.6  0.6  0.3  0.3  0.6  0.3  0.3  0.6  0.6  0.3  0.3
0.6  0.3  2.5  0.3  2.3  4.5  1.4
K3  1.00  3.5  1.8  1.8  0.8  0.8  0.4  0.4  0.8  0.4  0.4  0.8  0.8  0.4  0.4
0.8  0.4  3.5  0.3  3.1  6.5  1.8
K3  1.08  5.0  2.5  2.5  1.2  1.2  0.6  0.6  1.2  0.6  0.6  1.2  1.2  0.6  0.6
1.2  0.6  5.0  0.5  4.5  9.5  2.6
K3  1.17  6.5  3.3  3.3  1.6  1.6  0.8  0.8  1.6  0.8  0.8  1.6  1.6  0.8  0.8
1.6  0.8  6.0  0.6  5.4 13.0  3.2
K3  1.25  6.0  3.0  3.0  1.6  1.6  0.8  0.8  1.6  0.8  0.8  1.6  1.6  0.8  0.8
1.6  0.8  5.5  0.6  4.9 12.0  3.2
K3  1.33  5.0  2.5  2.5  1.4  1.4  0.7  0.7  1.4  0.7  0.7  1.4  1.4  0.7  0.7
1.4  0.7  4.5  0.5  4.0  9.0  3.0
K3  1.42  4.0  2.0  2.0  1.2  1.2  0.6  0.6  1.2  0.6  0.6  1.2  1.2  0.6  0.6
1.2  0.6  4.0  0.4  3.6  7.5  2.8
K3  1.50  3.5  1.8  1.8  1.1  1.1  0.6  0.6  1.1  0.6  0.6  1.1  1.1  0.6  0.6
1.1  0.6  3.5  0.3  3.1  6.5  2.4
K3  1.58  3.5  1.8  1.8  1.1  1.1  0.6  0.6  1.1  0.6  0.6  1.1  1.1  0.6  0.6
1.1  0.6  3.0  0.3  2.7  6.0  2.2
K3  1.67  3.0  1.5  1.5  1.0  1.0  0.5  0.5  1.0  0.5  0.5  1.0  1.0  0.5  0.5
1.0  0.5  3.0  0.3  2.7  6.0  2.0
K3  1.75  3.0  1.5  1.5  1.0  1.0  0.5  0.5  1.0  0.5  0.5  1.0  1.0  0.5  0.5
1.0  0.5  3.0  0.3  2.7  5.5  1.8
K3  1.83  3.0  1.5  1.5  1.0  1.0  0.5  0.5  1.0  0.5  0.5  1.0  1.0  0.5  0.5
1.0  0.5  3.0  0.3  2.7  5.0  1.6
K3  1.92  3.0  1.5  1.5  0.9  0.9  0.5  0.5  0.9  0.5  0.5  0.9  0.9  0.5  0.5
0.9  0.5  2.5  0.3  2.3  5.0  1.6
K3  2.00  3.0  1.5  1.5  0.9  0.9  0.5  0.5  0.9  0.5  0.5  0.9  0.9  0.5  0.5
0.9  0.5  2.5  0.3  2.3  4.5  1.6
K3  2.08  2.5  1.3  1.3  0.9  0.9  0.5  0.5  0.9  0.5  0.5  0.9  0.9  0.5  0.5
0.9  0.5  2.5  0.3  2.3  4.5  1.4
K3  2.17  2.5  1.3  1.3  0.8  0.8  0.4  0.4  0.8  0.4  0.4  0.8  0.8  0.4  0.4
0.8  0.4  2.5  0.3  2.3  4.0  1.4
K3  2.25  2.5  1.3  1.3  0.8  0.8  0.4  0.4  0.8  0.4  0.4  0.8  0.8  0.4  0.4
0.8  0.4  2.5  0.3  2.3  4.0  1.4
K3  2.33  2.5  1.3  1.3  0.8  0.8  0.4  0.4  0.8  0.4  0.4  0.8  0.8  0.4  0.4
0.8  0.4  2.5  0.3  2.3  3.5  1.4
```

```
K3  2.42  2.5  1.3  1.3  0.7  0.7  0.3  0.3  0.7  0.3  0.3  0.7  0.7  0.3  0.3
0.7  0.3  2.5  0.3  2.3  3.5  1.2
K3  2.50  2.5  1.3  1.3  0.7  0.7  0.3  0.3  0.7  0.3  0.3  0.7  0.7  0.3  0.3
0.7  0.3  2.5  0.3  2.3  3.5  1.2
K3  2.75  2.5  1.3  1.3  0.6  0.6  0.3  0.3  0.6  0.3  0.3  0.6  0.6  0.3  0.3
0.6  0.3  2.0  0.2  1.8  3.0  1.2
K3  3.00  2.0  1.0  1.0  0.6  0.6  0.3  0.3  0.6  0.3  0.3  0.6  0.6  0.3  0.3
0.6  0.3  2.0  0.2  1.8  3.0  1.2
K3  3.25  2.0  1.0  1.0  0.5  0.5  0.3  0.3  0.5  0.3  0.3  0.5  0.5  0.3  0.3
0.5  0.3  1.5  0.2  1.3  2.5  1.2
K3  3.50  2.0  1.0  1.0  0.5  0.5  0.3  0.3  0.5  0.3  0.3  0.5  0.5  0.3  0.3
0.5  0.3  1.5  0.2  1.3  2.5  1.0
K3  3.75  1.5  0.8  0.8  0.4  0.4  0.2  0.2  0.4  0.2  0.2  0.4  0.4  0.2  0.2
0.4  0.2  1.5  0.2  1.3  2.5  1.0
K3  4.00  1.5  0.8  0.8  0.4  0.4  0.2  0.2  0.4  0.2  0.2  0.4  0.4  0.2  0.2
0.4  0.2  1.5  0.2  1.3  2.0  1.0
K3  4.25  1.5  0.8  0.8  0.4  0.4  0.2  0.2  0.4  0.2  0.2  0.4  0.4  0.2  0.2
0.4  0.2  1.5  0.2  1.3  2.0  1.0
K3  4.50  1.5  0.8  0.8  0.4  0.4  0.2  0.2  0.4  0.2  0.2  0.4  0.4  0.2  0.2
0.4  0.2  1.5  0.2  1.3  2.0  1.0
K3  4.75  1.5  0.8  0.8  0.4  0.4  0.2  0.2  0.4  0.2  0.2  0.4  0.4  0.2  0.2
0.4  0.2  1.5  0.2  1.3  2.0  1.0
K3  5.00  1.5  0.8  0.8  0.4  0.4  0.2  0.2  0.4  0.2  0.2  0.4  0.4  0.2  0.2
0.4  0.2  1.0  0.1  0.9  2.0  0.8
$ENDPROGRAM
```

```
SW 1 0 0
MM 3 10 11 12
$ANUM
$EXTRAN
A1 'Morgan Hill-- subbasins fis90-fis95 '
A1 'System 12d--two outfalls to Fisher Ck.'
B1 7200  2.0  0.0  1  30  30  0
B2 0 1 0.0 30 0.08
B3 0 3 0 0 14
B5 via14 pre1 ber8
* pipe data
C1  via13  via13  via12   0.0  1  0.0 1.50  0.0  205  0.0  0.0  0.015  0.0 0.0
C1  via12  via12  via10   0.0  1  0.0 4.00  0.0  400  0.0  0.0  0.015  0.0 0.0
C1  via10  via10  via14   0.0  1  0.0 4.00  0.0  215  0.0  0.0  0.015  0.0 0.0
C1  spr2   spr2   fox3    0.0  1  0.0 3.00  0.0  384  0.0  0.0  0.015  0.0 0.0
C1  fox1   fox1   fox3    0.0  1  0.0 3.00  0.0  392  0.0  0.0  0.015  0.0 0.0
C1  fox3   fox3   fox4    0.0  1  0.0 3.00  0.0  173  0.0  0.0  0.015  0.0 0.0
C1  hal2   hal2   fox4    0.0  1  0.0 1.00  0.0   53  0.0  0.0  0.015  0.0 0.0
C1  fox4   fox4   via14   0.0  1  0.0 3.00  0.0   64  0.0  0.0  0.015  0.0 0.0
C1  via14  via14  hal1    0.0  1  0.0 3.50  0.0  310  0.0  0.0  0.015  0.0 0.0
C1  hal1a  hal1   ber6    0.0  1  0.0 2.75  0.0  310  0.8  0.0  0.015  0.0 0.0
C1  hal1b  hal1   ber6    0.0  1  0.0 2.75  0.0  310  0.8  0.0  0.015  0.0 0.0
C1  ber5   ber5   ber6    0.0  1  0.0 2.75  0.0  452  0.0  0.0  0.015  0.0 0.0
C1  ber6a  ber6   ber7    0.0  1  0.0 2.75  0.0  268  0.0  0.0  0.015  0.0 0.0
C1  ber6b  ber6   ber7    0.0  1  0.0 2.75  5.0  268  0.0  0.0  0.015  0.0 0.0
C1  ber7a  ber7   pre1    0.0  1  0.0 3.00  0.0  430  0.3  0.0  0.015  0.0 0.0
*  outfall to creek
C1  pre1   pre1   pre2    0.0  1  0.0 3.50  0.0  700  0.0  0.0  0.015  0.0 0.0
C1  ber7b  ber7   ber8    0.0  1  0.0 3.00  0.0  857  0.0  0.7  0.015  0.0 0.0
C1  ber8   ber8   old1    0.0  1  0.0 3.00  5.0  137  0.0  0.9  0.015  0.0 0.0
* junction data
D1  via13  355.0   348.7   0.0  0.0
D1  via12  357.1   348.3   0.0  0.0
D1  via10  352.9   346.6   0.0  0.0
D1  spr2   358.5   347.0   0.0  0.0
D1  fox1   353.3   347.0   0.0  0.0
D1  fox3   353.6   346.6   0.0  0.0
D1  fox4   353.5   346.4   0.0  0.0
D1  hal2   353.2   346.5   0.0  0.0
D1  via14  352.5   346.3   0.0  0.0
D1  hal1   350.5   345.5   0.0  0.0
D1  ber5   350.4   346.1   0.0  0.0
D1  ber6   351.1   345.4   0.0  0.0
D1  ber7   349.3   345.0   0.0  0.0
D1  pre1   349.0   344.4   0.0  0.0
D1  pre2   347.0   342.6   0.0  0.0
D1  ber8   349.4   343.6   0.0  0.0
D1  old1   348.9   343.3   0.0  0.0
*  pond data
E1 hal2  353.0  13070  0.0
*  outfall data
I1 pre2 1
I1 old1 1
J1 2
J2 346.0
J1 2
J2 346.5
```

```
*  5 hrs of 24hr 10-year hydrographs
K1 14
K2 via12 via13 via12 via10 spr2 fox3 fox1 hal1 ber6 ber5 ber7 pre1 pre2 ber8
K3  0.00  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
K3  0.33  4.0  0.8  0.8  2.4  0.4  0.6  0.4  0.6  0.6  0.6  1.3  1.0  1.6  1.9
K3  0.50  4.0  0.8  0.8  2.4  0.4  0.6  0.4  0.6  0.6  0.6  1.3  1.0  1.6  1.9
K3  0.67  4.0  1.0  1.0  3.0  0.6  0.9  0.6  0.9  0.7  0.7  1.4  1.1  1.8  2.2
K3  0.83  5.0  1.2  1.2  3.6  0.6  0.9  0.6  0.9  0.8  0.8  1.6  1.3  2.1  2.4
K3  1.00  6.0  1.8  1.8  5.4  1.0  1.5  1.0  1.5  1.1  1.1  2.2  1.7  2.8  3.2
K3  1.08  9.0  3.2  3.2  9.6  2.0  3.0  2.0  3.0  1.5  1.5  3.1  2.4  3.9  4.6
K3  1.17 10.0  2.2  2.2  6.6  1.4  2.1  1.4  2.1  2.0  2.0  4.0  3.1  5.1  5.9
K3  1.25 10.0  2.0  2.0  6.0  1.2  1.8  1.2  1.8  2.0  2.0  4.0  3.1  5.1  5.9
K3  1.33 11.0  1.8  1.8  5.4  1.2  1.8  1.2  1.8  1.8  1.8  3.6  2.8  4.6  5.4
K3  1.42 11.0  1.8  1.8  5.4  1.0  1.5  1.0  1.5  1.7  1.7  3.4  2.7  4.4  5.1
K3  1.50 11.0  1.8  1.8  5.4  1.0  1.5  1.0  1.5  1.6  1.6  3.2  2.5  4.1  4.9
K3  1.58 11.0  1.6  1.6  4.8  1.0  1.5  1.0  1.5  1.5  1.5  3.1  2.4  3.9  4.6
K3  1.67 11.0  1.6  1.6  4.8  0.8  1.2  0.8  1.2  1.4  1.4  2.9  2.2  3.7  4.3
K3  1.75 11.0  1.6  1.6  4.8  0.8  1.2  0.8  1.2  1.4  1.4  2.7  2.1  3.5  4.1
K3  1.83 10.0  1.4  1.4  4.2  0.8  1.2  0.8  1.2  1.4  1.4  2.7  2.1  3.5  4.1
K3  1.92 10.0  1.4  1.4  4.2  0.8  1.2  0.8  1.2  1.3  1.3  2.5  2.0  3.2  3.8
K3  2.00 10.0  1.2  1.2  3.6  0.6  0.9  0.6  0.9  1.2  1.2  2.3  1.8  3.0  3.5
K3  2.08  9.0  1.2  1.2  3.6  0.6  0.9  0.6  0.9  1.1  1.1  2.2  1.7  2.8  3.2
K3  2.17  9.0  1.2  1.2  3.6  0.6  0.9  0.6  0.9  1.0  1.0  2.0  1.5  2.5  3.0
K3  2.25  8.0  1.0  1.0  3.0  0.6  0.9  0.6  0.9  0.9  0.9  1.8  1.4  2.3  2.7
K3  2.33  8.0  1.0  1.0  3.0  0.6  0.9  0.6  0.9  0.9  0.9  1.8  1.4  2.3  2.7
K3  2.42  7.0  1.0  1.0  3.0  0.6  0.9  0.6  0.9  0.8  0.8  1.6  1.3  2.1  2.4
K3  2.50  7.0  1.0  1.0  3.0  0.6  0.9  0.6  0.9  0.8  0.8  1.6  1.3  2.1  2.4
K3  2.75  6.0  0.8  0.8  2.4  0.4  0.6  0.4  0.6  0.7  0.7  1.4  1.1  1.8  2.2
K3  3.00  5.0  0.8  0.8  2.4  0.4  0.6  0.4  0.6  0.6  0.6  1.3  1.0  1.6  1.9
K3  3.25  5.0  0.8  0.8  2.4  0.4  0.6  0.4  0.6  0.6  0.6  1.3  1.0  1.6  1.9
K3  3.50  5.0  0.8  0.8  2.4  0.4  0.6  0.4  0.6  0.6  0.6  1.3  1.0  1.6  1.9
K3  3.75  5.0  0.6  0.6  1.8  0.4  0.6  0.4  0.6  0.5  0.5  1.1  0.8  1.4  1.6
K3  4.00  4.0  0.6  0.6  1.8  0.4  0.6  0.4  0.6  0.5  0.5  1.1  0.8  1.4  1.6
K3  4.25  4.0  0.6  0.6  1.8  0.4  0.6  0.4  0.6  0.5  0.5  1.1  0.8  1.4  1.6
K3  4.50  4.0  0.6  0.6  1.8  0.4  0.6  0.4  0.6  0.5  0.5  1.1  0.8  1.4  1.6
K3  4.75  4.0  0.6  0.6  1.8  0.4  0.6  0.4  0.6  0.5  0.5  0.9  0.7  1.1  1.4
K3  5.00  4.0  0.6  0.6  1.8  0.4  0.6  0.4  0.6  0.5  0.5  0.9  0.7  1.1  1.4
$ENDPROGRAM
```

```
SW 1 0 0
MM 3 10 11 12
$ANUM
$EXTRAN
A1 'Morgan Hill-- subbasins but55-but75'
A1 'System 2c-- outfalls to butterfield channel'
B1 7200  2.0  0.0  1  30  30  0
B2 0 1 0.0 30 0.08
B3 0 3 0 0 10
B5 ben12 ema5 ema8
* pipe data
C1  ser20  ser20  ser21   0.0  1  0.0 1.75  0.0  313  0.0  0.0  0.015  0.0 0.0
C1  ser21  ser21  ser22   0.0  1  0.0 2.00  0.0  251  0.0  0.0  0.015  0.0 0.0
C1  ser22  ser22  ben11   0.0  1  0.0 2.00  0.0  327  0.0  0.0  0.015  0.0 0.0
C1  ben11  ben11  ben12   0.0  1  0.0 2.00  0.0  275  0.0  0.0  0.015  0.0 0.0
C1  ben14  ben14  ben12   0.0  1  0.0 2.25  0.0   70  0.0  0.0  0.015  0.0 0.0
C1  ben12  ben12  ben15   0.0  1  0.0 2.25  0.0  326  0.0  0.0  0.015  0.0 0.0
C1  ben15  ben15  ema1    0.0  1  0.0 2.25  0.0  269  0.0  0.0  0.015  0.0 0.0
C1  ema1   ema1   ema2    0.0  1  0.0 2.25  0.0  920  0.0  4.7  0.015  0.0 0.0
C1  gra5   gra5   ema2    0.0  1  0.0 1.25  0.0  100  0.0  0.0  0.015  0.0 0.0
C1  ema2   ema2   ema5    0.0  1  0.0 2.50  0.0  630  0.0  0.0  0.015  0.0 0.0
C1  ema5   ema5   ema6    0.0  1  0.0 3.00  0.0  350  0.0  0.0  0.015  0.0 0.0
C1  ema6   ema6   ema7    0.0  1  0.0 3.00  0.0  444  0.0  0.0  0.015  0.0 0.0
C1  cal42  cal42  ema7    0.0  1  0.0 1.50  0.0  555  0.0  1.0  0.015  0.0 0.0
C1  ema7   ema7   ema8    0.0  1  0.0 3.00  0.0  130  0.0  0.0  0.015  0.0 0.0
C1  ema8   ema8   but29   0.0  1  0.0 3.00  0.0   60  0.0  0.0  0.015  0.0 0.0
* junction data
D1  ser20  367.4   362.9   0.0  0.0
D1  ser21  367.2   361.7   0.0  0.0
D1  ser22  367.9   361.0   0.0  0.0
D1  ben11  365.4   360.0   0.0  0.0
D1  ben14  365.0   361.8   0.0  0.0
D1  ben12  364.6   359.2   0.0  0.0
D1  ben15  363.5   358.2   0.0  0.0
D1  ema1   364.0   357.3   0.0  0.0
D1  gra5   357.5   352.0   0.0  0.0
D1  ema2   359.2   349.4   0.0  0.0
D1  ema5   356.4   348.5   0.0  0.0
D1  ema6   354.8   344.8   0.0  0.0
D1  cal42  352.0   347.8   0.0  0.0
D1  ema7   352.0   343.2   0.0  0.0
D1  ema8   351.4   342.9   0.0  0.0
D1  but29  350.0   342.7   0.0  0.0
*  pond data
E1 ben14  365.0  10455  0.0
*  outfall data
I1 but29 1
J1 2
J2 346.5
*  5 hrs of 24hr 10-year h1 hydrographs
K1 10
K2 ser20 ema1 ser21 ben12 ben15 ema2 gra5 ema6 cal42 ema7
K3  0.00  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
K3  0.33  1.5  1.5  2.0  2.0  2.0  1.9  1.1  3.0  0.4  0.6
K3  0.50  1.5  1.5  2.0  2.0  2.0  2.6  1.4  4.0  0.4  0.6
K3  0.67  2.0  2.0  2.5  2.5  2.0  2.6  1.4  4.0  0.8  1.2
K3  0.83  2.0  2.0  3.0  3.0  2.0  3.2  1.8  5.0  0.8  1.2
```

```
K3  1.00  2.5  2.5  4.0  4.0  3.0  4.5  2.5  7.0  1.2  1.8
K3  1.08  4.0  4.0  7.0  7.0  4.0  8.3  4.7 12.0  2.4  3.6
K3  1.17  5.0  5.0  7.0  7.0  5.0  6.4  3.6 13.0  1.6  2.4
K3  1.25  4.5  4.5  5.5  5.5  5.0  5.8  3.2 10.0  1.2  1.8
K3  1.33  4.0  4.0  5.0  5.0  5.0  5.8  3.2  8.0  1.2  1.8
K3  1.42  4.0  4.0  5.0  5.0  4.0  5.8  3.2  7.0  1.2  1.8
K3  1.50  4.0  4.0  4.5  4.5  4.0  5.1  2.9  6.0  0.8  1.2
K3  1.58  3.5  3.5  4.5  4.5  4.0  5.1  2.9  6.0  0.8  1.2
K3  1.67  3.5  3.5  4.5  4.5  4.0  5.1  2.9  6.0  0.8  1.2
K3  1.75  3.5  3.5  4.0  4.0  4.0  4.5  2.5  5.0  0.8  1.2
K3  1.83  3.5  3.5  4.0  4.0  4.0  3.8  2.2  5.0  0.8  1.2
K3  1.92  3.5  3.5  4.0  4.0  3.0  3.8  2.2  5.0  0.8  1.2
K3  2.00  3.0  3.0  3.5  3.5  3.0  3.2  1.8  5.0  0.8  1.2
K3  2.08  3.0  3.0  3.5  3.5  3.0  3.2  1.8  5.0  0.8  1.2
K3  2.17  3.0  3.0  3.0  3.0  3.0  3.2  1.8  5.0  0.4  0.6
K3  2.25  2.5  2.5  3.0  3.0  3.0  3.2  1.8  5.0  0.4  0.6
K3  2.33  2.5  2.5  3.0  3.0  3.0  2.6  1.4  4.0  0.4  0.6
K3  2.42  2.5  2.5  2.5  2.5  2.0  2.6  1.4  4.0  0.4  0.6
K3  2.50  2.0  2.0  2.5  2.5  2.0  2.6  1.4  4.0  0.4  0.6
K3  2.75  2.0  2.0  2.5  2.5  2.0  2.6  1.4  4.0  0.4  0.6
K3  3.00  2.0  2.0  2.0  2.0  2.0  1.9  1.1  4.0  0.4  0.6
K3  3.25  1.5  1.5  2.0  2.0  2.0  1.9  1.1  3.0  0.4  0.6
K3  3.50  1.5  1.5  2.0  2.0  2.0  1.9  1.1  3.0  0.4  0.6
K3  3.75  1.5  1.5  1.5  1.5  2.0  1.9  1.1  3.0  0.4  0.6
K3  4.00  1.5  1.5  1.5  1.5  1.0  1.9  1.1  3.0  0.4  0.6
K3  4.25  1.5  1.5  1.5  1.5  1.0  1.9  1.1  3.0  0.4  0.6
K3  4.50  1.5  1.5  1.5  1.5  1.0  1.9  1.1  3.0  0.4  0.6
K3  4.75  1.5  1.5  1.5  1.5  1.0  1.3  0.7  2.0  0.4  0.6
K3  5.00  1.0  1.0  1.5  1.5  1.0  1.3  0.7  2.0  0.4  0.6
$ENDPROGRAM
```

```
SW 1 0 0
MM 3 10 11 12
$ANUM
$EXTRAN
A1 'Morgan Hill-- subbasins fis12-fis75 '
A1 'System 3--fisher creek outfall '
B1 7200  2.0  0.0  1  30  30  0
B2 0 1 0.0 30 0.08
B3 0 3 0 0 23
B5 woo2 pee10 til1
* pipe data
C1  woo8   woo8   woo1    0.0  1  0.0 1.50  0.0  525  0.0  0.0  0.015  0.0 0.0
C1  woo9   woo9   woo1    0.0  1  0.0 1.75  0.0  350  0.0  0.0  0.015  0.0 0.0
C1  woo1   woo1   woo2    0.0  1  0.0 3.00  0.0  438  0.0  0.0  0.015  0.0 0.0
C1  woo5   woo5   woo2    0.0  1  0.0 3.00  0.0  570  0.0  0.5  0.015  0.0 0.0
C1  woo3   woo3   woo2    0.0  1  0.0 3.05  0.0   70  0.0  0.0  0.015  0.0 0.0
C1  woo2   woo2   woo4    0.0  1  0.0 3.55  0.0  525  0.0  0.0  0.015  0.0 0.0
C1  woo4   woo4   woo7    0.0  1  0.0 3.50  0.0  665  0.0  0.0  0.015  0.0 0.0
C1  woo7   woo7   cla1    0.0  1  0.0 4.00  0.0  770  0.0  0.0  0.015  0.0 0.0
C1  cla1   cla1   cla2    0.0  1  0.0 4.50  0.0  886  0.0  0.5  0.015  0.0 0.0
C1  cla2   cla2   pee10   0.0  1  0.0 5.00  0.0  500  0.0  0.0  0.015  0.0 0.0
C1  tay1   tay1   pee10   0.0  1  0.0 1.75  0.0  893  0.0  1.3  0.015  0.0 0.0
C1  cla3   cla3   tay3    0.0  1  0.0 1.50  0.0  490  0.0  0.5  0.015  0.0 0.0
C1  ang1   ang1   tay3    0.0  1  0.0 1.50  0.0  315  0.0  0.2  0.015  0.0 0.0
C1  tay3   tay3   pee10   0.0  1  0.0 2.00  0.0  462  0.0  1.3  0.015  0.0 0.0
C1  pee10  pee10  pee11   0.0  1  0.0 5.00  0.0  849  0.2  0.0  0.015  0.0 0.0
C1  pee11  pee11  til1    0.0  1  0.0 5.00  0.0 2100  0.0  0.0  0.015  0.0 0.0
C1  bur1   bur1   bur2    0.0  1  0.0 2.00  0.0  648  0.0  0.0  0.015  0.0 0.0
C1  bur2   bur2   bur3    0.0  1  0.0 2.00  0.0  490  0.0  0.0  0.015  0.0 0.0
C1  bur3   bur3   til1    0.0  1  0.0 5.00  0.0  647  0.0  0.0  0.015  0.0 0.0
C1  til1   til1   til2    0.0  1  0.0 7.50  0.0 1750  0.0  0.0  0.015  0.0 0.0
* junction data
D1  woo8   360.1   357.5   0.0  0.0
D1  woo9   360.1   356.8   0.0  0.0
D1  woo1   360.0   355.5   0.0  0.0
D1  woo5   364.2   357.0   0.0  0.0
D1  woo3   361.0   355.4   0.0  0.0
D1  woo2   360.0   353.9   0.0  0.0
D1  woo4   359.0   351.6   0.0  0.0
D1  woo7   353.7   348.1   0.0  0.0
D1  cla1   350.7   344.1   0.0  0.0
D1  cla2   349.8   338.8   0.0  0.0
D1  tay1   348.5   344.9   0.0  0.0
D1  cla3   348.4   344.3   0.0  0.0
D1  ang1   344.7   340.5   0.0  0.0
D1  tay3   346.0   339.5   0.0  0.0
D1  pee10  346.6   337.2   0.0  0.0
D1  pee11  341.9   334.9   0.0  0.0
D1  bur1   345.2   339.6   0.0  0.0
D1  bur2   341.9   337.1   0.0  0.0
D1  bur3   340.0   334.5   0.0  0.0
D1  til1   341.0   332.9   0.0  0.0
D1  til2   341.0   331.1   0.0  0.0
*  pond data
E1  woo3   361.0  60550  0.0
*  outfall info
I1 til2 1
```

```
J1 2
J2 336.0
*  5 hrs of 24hr 10-year hydrographs
K1 23
K2 woo8 woo9 woo2 woo5 woo4 woo9 woo5 woo7 woo7 cla1 cla2 pee10 tay1 tay3 ang1
pee11 cla3 bur1 bur1 bur2 bur3 bur1 til1
K3  0.00  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
K3  0.33  2.3  3.4  1.1  1.2  1.1  1.0  1.0  2.0  1.0 14.0 14.0  3.2  3.2  3.2
3.2  3.2 13.0 13.0  6.4  6.4  3.2  1.5  3.0
K3  0.50  2.5  3.8  1.2  1.3  1.2  1.0  1.0  2.0  2.0 15.0 15.0  3.4  3.4  3.4
3.4  3.4 14.0 14.0  6.8  6.8  3.4  2.0  3.5
K3  0.67  3.0  4.6  1.4  1.6  1.4  1.0  1.0  2.0  2.0 17.0 17.0  4.0  4.0  4.0
4.0  4.0 15.5 15.5  7.6  7.6  3.8  2.0  4.0
K3  0.83  3.5  5.3  1.7  1.8  1.7  1.0  1.0  2.0  2.0 19.5 19.5  4.6  4.6  4.6
4.6  4.6 17.5 17.5  8.8  8.8  4.4  2.5  4.5
K3  1.00  5.5  8.4  2.6  2.9  2.6  1.5  1.5  4.0  2.0 25.5 25.5  6.4  6.4  6.4
6.4  6.4 22.5 22.5 10.8 10.8  5.4  3.0  6.0
K3  1.08  9.8 14.8  4.7  5.1  4.7  1.5  1.5  7.0  3.0 36.0 36.0 10.0 10.0 10.0
10.0 10.0 30.0 30.0 13.6 13.6  6.8  4.5  9.0
K3  1.17 10.8 16.3  5.2  5.6  5.2  2.0  2.0  5.0  4.0 47.5 47.5 13.4 13.4 13.4
13.4 13.4 40.0 40.0 18.0 18.0  9.0  5.5 11.0
K3  1.25  6.5  9.9  3.1  3.4  3.1  2.0  2.0  4.0  4.0 46.5 46.5 10.2 10.2 10.2
10.2 10.2 42.5 42.5 21.2 21.2 10.6  5.5 11.0
K3  1.33  5.0  7.6  2.4  2.6  2.4  2.5  2.5  3.0  4.0 39.5 39.5  7.8  7.8  7.8
7.8  7.8 40.0 40.0 21.6 21.6 10.8  5.5  9.5
K3  1.42  4.3  6.5  2.0  2.2  2.0  2.5  2.5  3.0  4.0 33.0 33.0  6.8  6.8  6.8
6.8  6.8 35.0 35.0 19.6 19.6  9.8  5.0  8.0
K3  1.50  3.8  5.7  1.8  1.9  1.8  2.5  2.5  3.0  4.0 29.5 29.5  6.2  6.2  6.2
6.2  6.2 30.5 30.5 17.2 17.2  8.6  5.0  7.0
K3  1.58  3.5  5.3  1.7  1.8  1.7  2.5  2.5  3.0  4.0 28.0 28.0  5.8  5.8  5.8
5.8  5.8 27.0 27.0 14.8 14.8  7.4  4.5  6.0
K3  1.67  3.3  4.9  1.6  1.7  1.6  2.5  2.5  3.0  4.0 26.5 26.5  5.6  5.6  5.6
5.6  5.6 25.0 25.0 13.2 13.2  6.6  4.0  6.0
K3  1.75  3.0  4.6  1.4  1.6  1.4  2.5  2.5  3.0  4.0 26.0 26.0  5.4  5.4  5.4
5.4  5.4 23.5 23.5 12.4 12.4  6.2  4.0  5.5
K3  1.83  2.8  4.2  1.3  1.4  1.3  3.0  3.0  3.0  4.0 25.0 25.0  5.2  5.2  5.2
5.2  5.2 22.5 22.5 11.6 11.6  5.8  4.0  5.0
K3  1.92  2.8  4.2  1.3  1.4  1.3  3.0  3.0  3.0  4.0 24.5 24.5  5.2  5.2  5.2
5.2  5.2 21.5 21.5 11.2 11.2  5.6  3.5  5.0
K3  2.00  2.5  3.8  1.2  1.3  1.2  3.0  3.0  3.0  4.0 24.0 24.0  5.0  5.0  5.0
5.0  5.0 21.0 21.0 10.8 10.8  5.4  3.5  5.0
K3  2.08  2.5  3.8  1.2  1.3  1.2  3.0  3.0  3.0  4.0 23.5 23.5  5.0  5.0  5.0
5.0  5.0 20.5 20.5 10.8 10.8  5.4  3.0  4.5
K3  2.17  2.5  3.8  1.2  1.3  1.2  3.0  3.0  3.0  4.0 23.0 23.0  4.8  4.8  4.8
4.8  4.8 20.0 20.0 10.4 10.4  5.2  3.0  4.5
K3  2.25  2.3  3.4  1.1  1.2  1.1  3.0  3.0  3.0  4.0 22.5 22.5  4.8  4.8  4.8
4.8  4.8 20.0 20.0 10.4 10.4  5.2  2.5  4.5
K3  2.33  2.3  3.4  1.1  1.2  1.1  3.0  3.0  3.0  3.0 22.0 22.0  4.6  4.6  4.6
4.6  4.6 19.5 19.5 10.0 10.0  5.0  2.5  4.0
K3  2.42  2.3  3.4  1.1  1.2  1.1  3.0  3.0  2.0  3.0 21.5 21.5  4.6  4.6  4.6
4.6  4.6 19.0 19.0 10.0 10.0  5.0  2.5  4.0
K3  2.50  2.0  3.0  1.0  1.0  1.0  3.0  3.0  2.0  3.0 21.0 21.0  4.6  4.6  4.6
4.6  4.6 18.5 18.5 10.0 10.0  5.0  2.5  4.0
K3  2.75  2.0  3.0  1.0  1.0  1.0  3.0  3.0  2.0  3.0 19.0 19.0  4.2  4.2  4.2
4.2  4.2 18.0 18.0  9.6  9.6  4.8  2.0  3.5
```

```
K3  3.00  1.8  2.7  0.8  0.9  0.8  3.0  3.0  2.0  2.0 17.5 17.5  4.0  4.0  4.0
4.0  4.0 17.0 17.0  9.2  9.2  4.6  2.0  3.0
K3  3.25  1.8  2.7  0.8  0.9  0.8  3.0  3.0  2.0  2.0 16.0 16.0  3.8  3.8  3.8
3.8  3.8 16.0 16.0  9.2  9.2  4.6  2.0  3.0
K3  3.50  1.5  2.3  0.7  0.8  0.7  3.0  3.0  2.0  2.0 14.5 14.5  3.6  3.6  3.6
3.6  3.6 15.0 15.0  8.8  8.8  4.4  2.0  2.5
K3  3.75  1.5  2.3  0.7  0.8  0.7  3.0  3.0  2.0  2.0 13.5 13.5  3.2  3.2  3.2
3.2  3.2 14.0 14.0  8.8  8.8  4.4  1.5  2.5
K3  4.00  1.5  2.3  0.7  0.8  0.7  2.5  2.5  2.0  2.0 12.5 12.5  3.0  3.0  3.0
3.0  3.0 13.0 13.0  8.4  8.4  4.2  1.5  2.5
K3  4.25  1.3  1.9  0.6  0.6  0.6  2.5  2.5  1.0  2.0 12.0 12.0  2.8  2.8  2.8
2.8  2.8 12.5 12.5  8.4  8.4  4.2  1.5  2.5
K3  4.50  1.3  1.9  0.6  0.6  0.6  2.5  2.5  1.0  2.0 11.5 11.5  2.8  2.8  2.8
2.8  2.8 11.5 11.5  8.0  8.0  4.0  1.5  2.5
K3  4.75  1.3  1.9  0.6  0.6  0.6  2.0  2.0  1.0  2.0 11.0 11.0  2.6  2.6  2.6
2.6  2.6 11.0 11.0  7.6  7.6  3.8  1.5  2.0
K3  5.00  1.3  1.9  0.6  0.6  0.6  2.0  2.0  1.0  2.0 10.5 10.5  2.6  2.6  2.6
2.6  2.6 10.5 10.5  7.6  7.6  3.8  1.5  2.0
$ENDPROGRAM
```

```
SW 1 0 0
MM 3 10 11 12
$ANUM
$EXTRAN
A1 'Morgan Hill-- subbasins lll300-lll310'
A1 'System 7e--outfall to llagos creek '
B1 7200  2.0  0.0  1  30  30  0
B2 0 1 0.0 30 0.08
B3 3 3 0 0 15
B4 dan2 san60 oly12
B5 oly10 oly11a wed12
* pipe data
C1  dan5   dan5   dan3    0.0  1  0.0 1.25  0.0  805  0.0  0.0  0.015  0.0 0.0
C1  dan3a  dan3   dan1    0.0  1  0.0 1.25  0.0   83  0.0  0.0  0.015  0.0 0.0
C1  dan3b  dan3   dan2    0.0  1  0.0 2.00  0.0   88  0.0  0.0  0.015  0.0 0.0
* C1  dan2   dan2   dan3    0.0  1  0.0 2.00  0.0   88  0.0  0.0  0.015  0.0 0.0
C1  dan1   dan1   oly9    0.0  1  0.0 2.00  0.0  315  0.0  0.0  0.015  0.0 0.0
C1  oly9   oly9   oly10   0.0  1  0.0 2.00  0.0  294  0.0  0.0  0.015  0.0 0.0
C1  oly10  oly10  oly11   0.0  1  0.0 2.50  0.0  262  0.0  0.0  0.015  0.0 0.0
C1  san60  san60  bry10   0.0  1  0.0 2.50  0.0  126  0.0  0.0  0.015  0.0 0.0
C1  bry10  bry10  oly11   0.0  1  0.0 2.50  0.0  280  0.0  0.0  0.015  0.0 0.0
C1  oly11a oly11  wed10   0.0  1  0.0 1.50  0.0  552  0.0  0.0  0.015  0.0 0.0
C1  oly11b oly11  oly12   0.0  1  0.0 3.00  0.0  245  1.0  0.0  0.015  0.0 0.0
* C1  oly12  oly12  oly11   0.0  1  0.0 3.00  0.0  245  0.0  0.0  0.015  0.0 0.0
C1  wed10  wed10  wed11   0.0  1  0.0 3.00  0.0  420  0.0  0.0  0.015  0.0 0.0
C1  oly14  oly14  wed11   0.0  1  0.0 0.75  0.0  296  0.0  0.0  0.015  0.0 0.0
C1  wed11  wed11  wed12   0.0  1  0.0 3.00  0.0  298  0.0  0.0  0.015  0.0 0.0
C1  wed12  wed12  wed13   0.0  1  0.0 3.00  0.0  567  0.0  0.0  0.015  0.0 0.0
* junction data
D1  dan5   339.1   336.6   0.0  0.0
D1  dan3   332.2   324.3   0.0  0.0
D1  dan2   330.0   324.8   0.0  0.0
D1  dan1   332.1   324.2   0.0  0.0
D1  oly9   329.2   322.4   0.0  0.0
D1  oly10  328.0   321.4   0.0  0.0
D1  san60  332.0   326.0   0.0  0.0
D1  bry10  328.4   322.1   0.0  0.0
D1  oly11  327.7   320.5   0.0  0.0
D1  oly12  319.4   316.0   0.0  0.0
D1  wed10  327.5   319.1   0.0  0.0
D1  oly14  327.0   318.5   0.0  0.0
D1  wed11  326.0   318.1   0.0  0.0
D1  wed12  325.4   317.5   0.0  0.0
D1  wed13  324.6   315.6   0.0  0.0
*  pond data
E1  dan2   330.5   5040.0  0.0
E1  oly12  319.4  17120.0  0.0
E1  san60  332.0   3920.0  0.0
*  outfall info
I1 wed13 1
J1 2
J2 320.0
*  5 hrs of the 24hr 10-year hydrographs
K1 15
K2  dan3  dan1 dan5 dan3 dan1 san60 dan5 dan3 dan2 oly9 oly10 oly11 wed10 oly12
wed12
```

K3	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
K3	0.33	2.0	2.0	0.4	0.8	0.8	8.0	0.3	1.3	0.5	0.5	0.8	0.8	1.0	4.5	1.5
K3	0.50	2.0	2.0	0.4	0.8	0.8	9.0	0.3	1.5	0.6	0.6	0.9	0.9	1.2	5.3	1.8
K3	0.67	2.5	2.5	0.6	1.2	1.2	10.0	0.3	1.8	0.7	0.7	1.1	1.1	1.4	6.0	2.0
K3	0.83	3.0	3.0	0.6	1.2	1.2	12.0	0.4	2.0	0.8	0.8	1.2	1.2	1.6	6.8	2.3
K3	1.00	4.0	4.0	0.8	1.6	1.6	16.0	0.6	3.0	1.2	1.2	1.8	1.8	2.4	8.3	2.8
K3	1.08	5.5	5.5	1.4	2.8	2.8	21.0	1.0	5.0	2.0	2.0	3.0	3.0	4.0	12.0	4.0
K3	1.17	7.0	7.0	1.6	3.2	3.2	28.0	0.9	4.5	1.8	1.8	2.7	2.7	3.6	16.5	5.5
K3	1.25	7.0	7.0	1.6	3.2	3.2	30.0	0.9	4.3	1.7	1.7	2.6	2.6	3.4	15.8	5.3
K3	1.33	7.0	7.0	1.4	2.8	2.8	30.0	0.8	4.0	1.6	1.6	2.4	2.4	3.2	13.5	4.5
K3	1.42	7.0	7.0	1.4	2.8	2.8	29.0	0.8	3.8	1.5	1.5	2.3	2.3	3.0	11.3	3.8
K3	1.50	6.5	6.5	1.2	2.4	2.4	28.0	0.7	3.5	1.4	1.4	2.1	2.1	2.8	9.8	3.3
K3	1.58	6.0	6.0	1.0	2.0	2.0	26.0	0.7	3.3	1.3	1.3	2.0	2.0	2.6	9.0	3.0
K3	1.67	5.5	5.5	0.8	1.6	1.6	23.0	0.6	3.0	1.2	1.2	1.8	1.8	2.4	8.3	2.8
K3	1.75	5.0	5.0	0.8	1.6	1.6	20.0	0.6	2.8	1.1	1.1	1.7	1.7	2.2	8.3	2.8
K3	1.83	4.5	4.5	0.8	1.6	1.6	18.0	0.5	2.5	1.0	1.0	1.5	1.5	2.0	7.5	2.5
K3	1.92	4.0	4.0	0.6	1.2	1.2	17.0	0.5	2.3	0.9	0.9	1.4	1.4	1.8	7.5	2.5
K3	2.00	3.5	3.5	0.6	1.2	1.2	15.0	0.5	2.3	0.9	0.9	1.4	1.4	1.8	7.5	2.5
K3	2.08	3.5	3.5	0.6	1.2	1.2	14.0	0.4	2.0	0.8	0.8	1.2	1.2	1.6	7.5	2.5
K3	2.17	3.5	3.5	0.6	1.2	1.2	14.0	0.4	2.0	0.8	0.8	1.2	1.2	1.6	6.8	2.3
K3	2.25	3.0	3.0	0.6	1.2	1.2	13.0	0.3	1.8	0.7	0.7	1.1	1.1	1.4	6.8	2.3
K3	2.33	3.0	3.0	0.6	1.2	1.2	12.0	0.3	1.8	0.7	0.7	1.1	1.1	1.4	6.8	2.3
K3	2.42	3.0	3.0	0.6	1.2	1.2	12.0	0.3	1.8	0.7	0.7	1.1	1.1	1.4	6.8	2.3
K3	2.50	3.0	3.0	0.4	0.8	0.8	12.0	0.3	1.5	0.6	0.6	0.9	0.9	1.2	6.8	2.3
K3	2.75	2.5	2.5	0.4	0.8	0.8	11.0	0.3	1.5	0.6	0.6	0.9	0.9	1.2	6.0	2.0
K3	3.00	2.5	2.5	0.4	0.8	0.8	10.0	0.3	1.5	0.6	0.6	0.9	0.9	1.2	6.0	2.0
K3	3.25	2.0	2.0	0.4	0.8	0.8	9.0	0.3	1.3	0.5	0.5	0.8	0.8	1.0	5.3	1.8
K3	3.50	2.0	2.0	0.4	0.8	0.8	9.0	0.3	1.3	0.5	0.5	0.8	0.8	1.0	5.3	1.8

```
K3  3.75  2.0  2.0  0.4  0.8  0.8  8.0  0.3  1.3  0.5  0.5  0.8  0.8  1.0  4.5
1.5
K3  4.00  2.0  2.0  0.4  0.8  0.8  8.0  0.3  1.3  0.5  0.5  0.8  0.8  1.0  4.5
1.5
K3  4.25  2.0  2.0  0.4  0.8  0.8  8.0  0.2  1.0  0.4  0.4  0.6  0.6  0.8  3.8
1.3
K3  4.50  2.0  2.0  0.4  0.8  0.8  7.0  0.2  1.0  0.4  0.4  0.6  0.6  0.8  3.8
1.3
K3  4.75  1.5  1.5  0.4  0.8  0.8  7.0  0.2  1.0  0.4  0.4  0.6  0.6  0.8  3.8
1.3
K3  5.00  1.5  1.5  0.4  0.8  0.8  7.0  0.2  1.0  0.4  0.4  0.6  0.6  0.8  3.8
1.3
$ENDPROGRAM
```

```
SW 1 0 0
MM 3 10 11 12
$ANUM
$EXTRAN
A1 'Morgan Hill-- subbasins lll177-lll240'
A1 'System 7c-- outfalls to llagos creek'
B1 7200  2.0  0.0  1  30  30  0
B2 0 1 0.0 30 0.08
B3 0 3 0 0 35
B5 cha1  cha2  del5
* pipe data
C1  via65  via65  alk1    0.0  1  0.0 1.50  0.0  245  0.0  0.0  0.015  0.0 0.0
C1  alk1   alk1   wdu12   0.0  1  0.0 1.50  0.0  665  0.0  0.0  0.015  0.0 0.0
C1  wdu9   wdu9   wdu10   0.0  1  0.0 3.00  0.0  402  0.0  0.0  0.015  0.0 0.0
C1  wdu10  wdu10  wdu11   0.0  1  0.0 1.75  0.0  525  0.0  4.0  0.015  0.0 0.0
C1  vis30  vis30  wdu11   0.0  1  0.0 1.50  0.0  368  0.0  4.0  0.015  0.0 0.0
C1  wdu11  wdu11  wdu12   0.0  1  0.0 1.75  0.0  280  0.0  0.0  0.015  0.0 0.0
C1  wdu12  wdu12  wdu13   0.0  1  0.0 2.00  0.0  175  0.0  0.0  0.015  0.0 0.0
C1  wdu13  wdu13  wdu15   0.0  1  0.0 2.50  0.0  980  0.0  0.0  0.015  0.0 0.0
C1  far10  far10  wdu15   0.0  1  0.0 3.00  0.0  280  0.0  0.0  0.015  0.0 0.0
C1  wdu15  wdu15  wdu16   0.0  1  0.0 2.75  0.0  175  0.0  0.0  0.015  0.0 0.0
C1  wdu16  wdu16  wdu17   0.0  1  0.0 4.50  0.0  242  0.0  0.5  0.015  0.0 0.0
C1  wdu18  wdu18  wdu17   0.0  1  0.0 2.55  0.0  105  0.0  0.5  0.015  0.0 0.0
C1  wdu17  wdu17  edw1    0.0  1  0.0 5.00  0.0  403  0.0  0.0  0.015  0.0 0.0
C1  edw1   edw1   cha2    0.0  1  0.0 5.00  0.0  598  0.0  0.0  0.015  0.0 0.0
C1  dew1   dew1   san70   0.0  1  0.0 2.00  0.0  321  0.0  0.0  0.015  0.0 0.0
C1  san70  san70  san71   0.0  1  0.0 2.00  0.0  802  0.0  0.0  0.013  0.0 0.0
C1  san71  san71  san72   0.0  1  0.0 2.25  0.0  189  0.0  0.5  0.014  0.0 0.0
C1  san72  san72  cha1    0.0  1  0.0 2.50  0.0  420  0.0  0.6  0.013  0.0 0.0
C1  cha1   cha1   cha2    0.0  1  0.0 4.00  0.0  505  0.0  3.7  0.015  0.0 0.0
C1  spr50  spr50  cha2    0.0  1  0.0 1.50  0.0  700  0.0  5.0  0.015  0.0 0.0
C1  cha2   cha2   cha3    0.0  1  0.0 5.00  0.0  152  0.0  0.5  0.015  0.0 0.0
C1  lon20  lon20  cha3    0.0  1  0.0 1.50  0.0  385  0.0  7.5  0.015  0.0 0.0
C1  con21  con21  cha3    0.0  1  0.0 1.50  0.0  293  0.0  7.5  0.015  0.0 0.0
C1  cha3   cha3   bar11   0.0  1  0.0 5.50  0.0  545  0.0  0.0  0.015  0.0 0.0
C1  bar12  bar12  bar11   0.0  1  0.0 1.75  0.0  260  0.0  0.0  0.015  0.0 0.0
C1  bar11  bar11  del3    0.0  1  0.0 6.00  0.0  420  0.0  0.0  0.015  0.0 0.0
C1  del1   del1   del2    0.0  1  0.0 2.00  0.0  245  0.0  0.0  0.015  0.0 0.0
C1  bar10  bar10  del2    0.0  1  0.0 2.00  0.0  245  0.0  0.0  0.014  0.0 0.0
C1  del2   del2   del3    0.0  1  0.0 2.00  0.0  140  0.0  0.0  0.015  0.0 0.0
C1  del3   del3   del5    0.0  1  0.0 6.00  0.0  384  0.0  0.0  0.014  0.0 0.0
C1  del5   del5   cio1    0.0  1  0.0 6.00  0.0  578  0.0  0.0  0.014  0.0 0.0
* junction data
D1  via65  414.9   410.0   0.0  0.0
D1  alk1   414.3   409.3   0.0  0.0
D1  wdu9   497.0   489.0   0.0  0.0
D1  wdu10  473.5   467.5   0.0  0.0
D1  vis30  422.6   419.5   0.0  0.0
D1  wdu11  424.0   415.0   0.0  0.0
D1  wdu12  4240.   407.0   0.0  0.0
D1  wdu13  408.2   398.0   0.0  0.0
D1  far10  371.6   366.9   0.0  0.0
D1  wdu15  372.0   365.0   0.0  0.0
D1  wdu16  367.0   359.2   0.0  0.0
D1  wdu18  367.5   358.3   0.0  0.0
D1  wdu17  366.6   357.2   0.0  0.0
D1  edw1   365.0   354.9   0.0  0.0
```

```
D1  dew1   410.0   405.9   0.0  0.0
D1  san70  406.0   400.1   0.0  0.0
D1  san71  380.1   372.1   0.0  0.0
D1  san72  374.3   368.6   0.0  0.0
D1  cha1   367.5   360.4   0.0  0.0
D1  spr50  364.9   362.5   0.0  0.0
D1  cha2   359.3   349.5   0.0  0.0
D1  lon20  359.0   354.3   0.0  0.0
D1  con21  357.0   352.1   0.0  0.0
D1  cha3   356.6   343.7   0.0  0.0
D1  bar12  348.8   344.8   0.0  0.0
D1  bar11  348.8   340.2   0.0  0.0
D1  del1   346.5   340.0   0.0  0.0
D1  bar10  348.0   341.0   0.0  0.0
D1  del2   346.6   339.0   0.0  0.0
D1  del3   345.0   333.8   0.0  0.0
D1  del5   341.2   331.9   0.0  0.0
D1  cio1   332.8   326.1   0.0  0.0
*  outfall data
I1 cio1 1
J1 2
J2 330.5
*  5 hrs of 24 hr 10-year hydrographs
K1 35
K2 vis30 wdu11 via65 alk1 wdu12 vis30 wdu11 wdu9 far10 wdu13 wdu15 wdu17 wdu16
wdu18 edw1 san70 dew1 san70 san71 cha1 cha2 san72 cha1 cha2 cha3 lon20 lon20
bar11 bar12 del1 del2 bar10 del5 cio1 spr50
K3  0.00  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
0.0  0.0  0.0  0.0  0.0
K3  0.33  3.0  3.0  0.9  0.9  0.4  1.3  0.5  7.0  5.0  4.2  0.9  2.0  0.5  0.5
1.0  7.0  6.0  1.0  1.0  8.8  2.2  1.2  2.8  2.0  1.9  1.4  0.6  1.9  0.6  0.6
0.6  1.2  0.6  0.6  1.0
K3  0.50  3.5  3.5  1.1  1.1  0.6  1.7  0.6  7.0  6.0  4.2  0.9  2.0  0.5  0.5
1.0  8.0  6.0  1.0  1.0  9.6  2.4  1.5  3.5  2.0  2.1  1.5  0.7  2.1  0.7  0.7
0.7  1.3  0.7  0.7  1.5
K3  0.67  4.0  4.0  1.3  1.3  0.7  2.0  0.7  8.0  7.0  5.0  1.0  2.0  0.8  0.8
1.5  9.0  7.0  1.5  1.5 11.2  2.8  1.5  3.5  3.0  2.5  1.8  0.8  2.5  0.8  0.8
0.8  1.6  0.8  0.8  1.5
K3  0.83  4.5  4.5  1.5  1.5  0.8  2.3  0.8  9.0  8.0  5.8  1.2  3.0  0.8  0.8
1.5 10.0  9.0  1.5  1.5 12.0  3.0  2.1  4.9  3.0  2.8  2.1  0.9  2.8  0.9  0.9
0.9  1.8  0.9  0.9  1.5
K3  1.00  5.5  5.5  2.4  2.4  1.2  3.6  1.3 12.0 12.0 10.0  2.0  5.0  1.0  1.0
2.0 12.0 13.0  2.5  2.5 14.4  3.6  3.0  7.0  5.0  4.0  2.9  1.3  4.0  1.3  1.3
1.3  2.5  1.3  1.3  2.5
K3  1.08  6.5  6.5  4.6  4.6  2.3  6.9  2.5 19.0 21.0 19.1  3.9  8.0  1.8  1.8
3.5 15.0 23.0  5.0  5.0 17.6  4.4  5.7 13.3 10.0  6.7  4.9  2.1  6.7  2.1  2.1
2.1  4.2  2.1  2.1  3.0
K3  1.17  8.5  8.5  2.9  2.9  1.4  4.3  1.6 18.0 20.0 11.6  2.4  6.0  1.5  1.5
3.0 19.0 16.0  3.5  3.5 22.4  5.6  4.2  9.8  7.0  7.6  5.6  2.4  7.6  2.4  2.4
2.4  4.8  2.4  2.4  4.0
K3  1.25  8.5  8.5  2.4  2.4  1.2  3.6  1.3 17.0 14.0 10.0  2.0  5.0  1.5  1.5
3.0 21.0 15.0  3.5  3.5 26.4  6.6  3.3  7.7  5.0  5.7  4.2  1.8  5.7  1.8  1.8
1.8  3.6  1.8  1.8  4.0
K3  1.33  9.0  9.0  2.4  2.4  1.2  3.6  1.3 17.0 13.0  9.1  1.9  5.0  1.5  1.5
3.0 22.0 15.0  3.0  3.0 28.0  7.0  3.3  7.7  5.0  4.8  3.5  1.5  4.8  1.5  1.5
1.5  3.0  1.5  1.5  4.0
```

K3 1.42 9.0 9.0 2.2 2.2 1.1 3.3 1.2 17.0 12.0 8.3 1.7 5.0 1.5 1.5
3.0 23.0 14.0 3.0 3.0 28.8 7.2 3.0 7.0 5.0 4.4 3.2 1.4 4.4 1.4 1.4
1.4 2.8 1.4 1.4 4.0
K3 1.50 9.5 9.5 2.0 2.0 1.0 3.0 1.1 17.0 11.0 7.5 1.5 4.0 1.3 1.3
2.5 23.0 14.0 2.5 2.5 29.6 7.4 2.7 6.3 5.0 4.2 3.1 1.3 4.2 1.3 1.3
1.3 2.6 1.3 1.3 4.0
K3 1.58 9.5 9.5 2.0 2.0 1.0 3.0 1.1 17.0 10.0 7.5 1.5 4.0 1.3 1.3
2.5 23.0 14.0 2.5 2.5 29.6 7.4 2.4 5.6 4.0 4.0 2.9 1.3 4.0 1.3 1.3
1.3 2.5 1.3 1.3 4.0
K3 1.67 9.5 9.5 1.8 1.8 0.9 2.6 1.0 17.0 9.0 6.6 1.4 4.0 1.3 1.3
2.5 23.0 13.0 2.0 2.0 29.6 7.4 2.4 5.6 4.0 3.6 2.7 1.1 3.6 1.1 1.1
1.1 2.3 1.1 1.1 3.5
K3 1.75 9.5 9.5 1.5 1.5 0.8 2.3 0.8 17.0 8.0 5.8 1.2 4.0 1.3 1.3
2.5 23.0 13.0 2.0 2.0 29.6 7.4 2.1 4.9 4.0 3.4 2.5 1.1 3.4 1.1 1.1
1.1 2.2 1.1 1.1 3.0
K3 1.83 9.5 9.5 1.5 1.5 0.8 2.3 0.8 17.0 8.0 5.8 1.2 4.0 1.3 1.3
2.5 22.0 12.0 2.0 2.0 28.8 7.2 1.8 4.2 4.0 3.2 2.4 1.0 3.2 1.0 1.0
1.0 2.0 1.0 1.0 3.0
K3 1.92 9.0 9.0 1.3 1.3 0.7 2.0 0.7 17.0 7.0 5.0 1.0 4.0 1.0 1.0
2.0 22.0 12.0 1.5 1.5 28.0 7.0 1.8 4.2 3.0 3.0 2.2 1.0 3.0 1.0 1.0
1.0 1.9 1.0 1.0 2.5
K3 2.00 9.0 9.0 1.3 1.3 0.7 2.0 0.7 17.0 7.0 5.0 1.0 3.0 1.0 1.0
2.0 21.0 11.0 1.5 1.5 27.2 6.8 1.8 4.2 3.0 2.8 2.1 0.9 2.8 0.9 0.9
0.9 1.8 0.9 0.9 2.5
K3 2.08 8.5 8.5 1.3 1.3 0.7 2.0 0.7 16.0 6.0 4.2 0.9 3.0 1.0 1.0
2.0 20.0 10.0 1.5 1.5 26.4 6.6 1.5 3.5 3.0 2.7 2.0 0.8 2.7 0.8 0.8
0.8 1.7 0.8 0.8 2.0
K3 2.17 8.5 8.5 1.1 1.1 0.6 1.7 0.6 16.0 6.0 4.2 0.9 3.0 1.0 1.0
2.0 19.0 9.0 1.5 1.5 25.6 6.4 1.5 3.5 3.0 2.5 1.8 0.8 2.5 0.8 0.8
0.8 1.6 0.8 0.8 2.0
K3 2.25 8.0 8.0 1.1 1.1 0.6 1.7 0.6 15.0 6.0 4.2 0.9 3.0 0.8 0.8
1.5 18.0 9.0 1.5 1.5 24.0 6.0 1.5 3.5 3.0 2.3 1.7 0.7 2.3 0.7 0.7
0.7 1.4 0.7 0.7 2.0
K3 2.33 7.5 7.5 1.1 1.1 0.6 1.7 0.6 15.0 6.0 4.2 0.9 3.0 0.8 0.8
1.5 16.0 8.0 1.5 1.5 22.4 5.6 1.5 3.5 2.0 2.3 1.7 0.7 2.3 0.7 0.7
0.7 1.4 0.7 0.7 2.0
K3 2.42 7.5 7.5 1.1 1.1 0.6 1.7 0.6 14.0 5.0 4.2 0.9 2.0 0.8 0.8
1.5 15.0 8.0 1.5 1.5 21.6 5.4 1.5 3.5 2.0 2.1 1.5 0.7 2.1 0.7 0.7
0.7 1.3 0.7 0.7 2.0
K3 2.50 7.0 7.0 1.1 1.1 0.6 1.7 0.6 13.0 5.0 4.2 0.9 2.0 0.8 0.8
1.5 15.0 8.0 1.0 1.0 20.0 5.0 1.2 2.8 2.0 2.1 1.5 0.7 2.1 0.7 0.7
0.7 1.3 0.7 0.7 1.5
K3 2.75 6.0 6.0 0.9 0.9 0.4 1.3 0.5 12.0 5.0 3.3 0.7 2.0 0.8 0.8
1.5 13.0 7.0 1.0 1.0 17.6 4.4 1.2 2.8 2.0 1.9 1.4 0.6 1.9 0.6 0.6
0.6 1.2 0.6 0.6 1.5
K3 3.00 5.0 5.0 0.9 0.9 0.4 1.3 0.5 10.0 5.0 3.3 0.7 2.0 0.5 0.5
1.0 11.0 6.0 1.0 1.0 15.2 3.8 1.2 2.8 2.0 1.7 1.3 0.5 1.7 0.5 0.5
0.5 1.1 0.5 0.5 1.5
K3 3.25 4.5 4.5 0.9 0.9 0.4 1.3 0.5 9.0 4.0 3.3 0.7 2.0 0.5 0.5
1.0 11.0 6.0 1.0 1.0 14.4 3.6 1.2 2.8 2.0 1.7 1.3 0.5 1.7 0.5 0.5
0.5 1.1 0.5 0.5 1.5
K3 3.50 4.5 4.5 0.9 0.9 0.4 1.3 0.5 9.0 4.0 3.3 0.7 2.0 0.5 0.5
1.0 10.0 6.0 1.0 1.0 13.6 3.4 0.9 2.1 2.0 1.5 1.1 0.5 1.5 0.5 0.5
0.5 1.0 0.5 0.5 1.5
K3 3.75 4.0 4.0 0.7 0.7 0.3 1.0 0.4 8.0 4.0 2.5 0.5 2.0 0.5 0.5
1.0 9.0 5.0 1.0 1.0 12.8 3.2 0.9 2.1 2.0 1.5 1.1 0.5 1.5 0.5 0.5
0.5 1.0 0.5 0.5 1.0

```
K3  4.00  4.0  4.0  0.7  0.7  0.3  1.0  0.4  8.0  4.0  2.5  0.5  2.0  0.5  0.5
1.0  9.0  5.0  1.0  1.0 12.0  3.0  0.9  2.1  1.0  1.5  1.1  0.5  1.5  0.5  0.5
0.5  1.0  0.5  0.5  1.0
K3  4.25  4.0  4.0  0.7  0.7  0.3  1.0  0.4  8.0  4.0  2.5  0.5  2.0  0.5  0.5
1.0  9.0  5.0  1.0  1.0 11.2  2.8  0.9  2.1  1.0  1.3  1.0  0.4  1.3  0.4  0.4
0.4  0.8  0.4  0.4  1.0
K3  4.50  3.5  3.5  0.7  0.7  0.3  1.0  0.4  7.0  4.0  2.5  0.5  2.0  0.5  0.5
1.0  8.0  5.0  1.0  1.0 11.2  2.8  0.9  2.1  1.0  1.3  1.0  0.4  1.3  0.4  0.4
0.4  0.8  0.4  0.4  1.0
K3  4.75  3.5  3.5  0.7  0.7  0.3  1.0  0.4  7.0  3.0  2.5  0.5  1.0  0.5  0.5
1.0  8.0  5.0  1.0  1.0 10.4  2.6  0.9  2.1  1.0  1.3  1.0  0.4  1.3  0.4  0.4
0.4  0.8  0.4  0.4  1.0
K3  5.00  3.5  3.5  0.7  0.7  0.3  1.0  0.4  7.0  3.0  2.5  0.5  1.0  0.5  0.5
1.0  8.0  5.0  1.0  1.0 10.4  2.6  0.9  2.1  1.0  1.3  1.0  0.4  1.3  0.4  0.4
0.4  0.8  0.4  0.4  1.0
$ENDPROGRAM
```

```
SW 1 0 0
MM 3 10 11 12
$ANUM
$EXTRAN
A1 'Morgan Hill-- subbasins lll275-lll435 '
A1 'System 7b-- has three outfalls '
B1 14400  1.0  0.0  1  30  30  0
B2 0 1 0.0 30 0.08
B3 0 3 0 0 33
B5 con28  ten32b  vin20
* pipe data
C1  chu10  chu10  chu11   0.0  1  0.0 1.50  0.0  399  0.0  0.9  0.015  0.0 0.0
C1  chu11  chu11  chu12   0.0  1  0.0 3.00  0.0  933  0.0  0.0  0.015  0.0 0.0
C1  bar30  bar30  chu12   0.0  1  0.0 1.50  0.0   59  0.0  0.0  0.015  0.0 0.0
C1  chu12  chu12  chu13   0.0  1  0.0 3.00  0.0  405  0.0  0.0  0.015  0.0 0.0
C1  chu13  chu13  chu14   0.0  1  0.0 3.50  0.0  652  0.0  0.0  0.015  0.0 0.0
C1  chu14  chu14  ten31   0.0  1  0.0 3.50  0.0  559  0.0  0.0  0.015  0.0 0.0
C1  ten30  ten30  ten31   0.0  1  0.0 1.00  0.0  364  0.0  0.6  0.015  0.0 0.0
C1  ten31  ten31  ten32   0.0  1  0.0 3.50  0.0  580  0.0  0.0  0.015  0.0 0.0
C1  ten32a ten32  wed19   0.0  1  0.0 2.50  0.0  350  0.3  0.0  0.015  0.0 0.0
C1  wed19  wed19  wed20   0.0  1  0.0 1.50  0.0  256  0.0  0.0  0.015  0.0 0.0
*  wed20 outfalls to ?
C1  ten32b ten32  ten33   0.0  1  0.0 3.00  0.0  403  0.0  0.0  0.015  0.0 0.0
*  ten33 outfalls to ?
C1  ten32c ten32  vin9    0.0  1  0.0 4.00  0.0  865  0.0  0.0  0.015  0.0 0.0
C1  vin1   vin1   vin2    0.0  1  0.0 1.75  0.0  441  0.0  0.7  0.015  0.0 0.0
C1  vin2   vin2   vin3    0.0  1  0.0 2.00  5.0  294  0.0  0.6  0.015  0.0 0.0
C1  vin3   vin3   vin4    0.0  1  0.0 2.75  0.0  229  0.0  0.6  0.015  0.0 0.0
C1  vin15  vin15  vin4    0.0  1  0.0 1.50  0.0  382  0.0  0.9  0.015  0.0 0.0
C1  vin4   vin4   vin5    0.0  1  0.0 2.75  0.0  967  0.0  0.8  0.015  0.0 0.0
C1  vin5   vin5   vin6    0.0  1  0.0 3.00  0.0  475  0.0  0.0  0.015  0.0 0.0
C1  vin6   vin6   con30   0.0  1  0.0 3.50  0.0  101  0.0  0.0  0.015  0.0 0.0
C1  con30  con30  vin7    0.0  1  0.0 3.50  0.0  314  0.0  0.0  0.015  0.0 0.0
C1  vin7a  vin7   vin8    0.0  1  0.0 3.50  0.0  682  0.0  0.0  0.015  0.0 0.0
C1  vin7b  vin7   con24   0.0  1  0.0 2.50  0.0  685  1.7  0.9  0.015  0.0 0.0
C1  cci1   cci1   cci2    0.0  1  0.0 1.75  0.0  270  0.0  0.0  0.015  0.0 0.0
C1  cci2   cci2   con24   0.0  1  0.0 2.25  0.0  240  0.0  0.9  0.015  0.0 0.0
C1  con24  con24  con23   0.0  1  0.0 3.50  0.0  260  0.0  0.0  0.015  0.0 0.0
C1  con23  con23  con22   0.0  1  0.0 3.50  0.0  238  0.0  0.0  0.015  0.0 0.0
C1  con20  con20  con21   0.0  1  0.0 1.75  0.0  250  0.0  0.0  0.015  0.0 0.0
C1  con21  con21  con22   0.0  1  0.0 2.00  0.0  255  0.0  0.7  0.015  0.0 0.0
C1  con22  con22  con26   0.0  1  0.0 3.50  5.0  346  0.0  0.0  0.015  0.0 0.0
C1  con26  con26  con28   0.0  1  0.0 3.50  0.0  303  0.0  0.0  0.015  0.0 0.0
*  con28 is a pumped basin
C1  con28  con28  con30   0.0  1  0.0 2.50  0.0 1313  0.0  0.0  0.015  0.0 0.0
C1  vin8   vin8   vin9    0.0  1  0.0 3.50  0.0  454  0.0  0.0  0.015  0.0 0.0
C1  vin9   vin9   vin10   0.0  1  0.0 5.00  0.0  466  0.0  0.0  0.014  0.0 0.0
C1  vin10  vin10  vin11   0.0  1  0.0 5.00  0.0  438  0.0  0.0  0.014  0.0 0.0
C1  mon40  mon40  mon42   0.0  1  0.0 1.50  0.0  298  0.0  0.0  0.015  0.0 0.0
C1  mon42  mon42  vin11   0.0  1  0.0 2.00  0.0  525  0.0  1.1  0.015  0.0 0.0
C1  vin11  vin11  vin20   0.0  1  0.0 5.00  0.0  180  0.0  0.0  0.014  0.0 0.0
C1  vin20  vin20  vin21   0.0  1  0.0 5.00  0.0  115  0.0  0.0  0.014  0.0 0.0
* junction data
D1  chu10  336.7   329.5   0.0  0.0
D1  chu11  334.3   326.5   0.0  0.0
D1  bar30  330.3   325.6   0.0  0.0
D1  chu12  330.6   322.3   0.0  0.0
```

```
D1  chu13  329.7   321.0   0.0  0.0
D1  chu14  327.3   319.4   0.0  0.0
D1  ten30  327.6   321.9   0.0  0.0
D1  ten31  327.6   317.9   0.0  0.0
D1  wed19  329.0   317.8   0.0  0.0
D1  wed20  325.1   317.1   0.0  0.0
D1  ten32  326.8   316.8   0.0  0.0
D1  ten33  327.0   315.6   0.0  0.0
D1  vin1   333.7   325.0   0.0  0.0
D1  vin2   331.3   323.7   0.0  0.0
D1  vin3   330.4   322.6   0.0  0.0
D1  vin15  329.8   323.6   0.0  0.0
D1  vin4   329.8   321.5   0.0  0.0
D1  vin5   327.6   318.8   0.0  0.0
D1  vin6   325.9   317.9   0.0  0.0
D1  con30  325.9   317.8   0.0  0.0
D1  vin7   324.9   317.3   0.0  0.0
D1  cci1   322.7   318.0   0.0  0.0
D1  cci2   322.1   317.5   0.0  0.0
D1  con24  322.5   316.1   0.0  0.0
D1  con23  321.8   315.6   0.0  0.0
D1  con20  323.0   317.4   0.0  0.0
D1  con21  321.2   316.7   0.0  0.0
D1  con22  321.0   315.2   0.0  0.0
D1  con26  319.2   313.4   0.0  0.0
D1  con28  319.0   303.5   0.0  0.0
D1  vin8   324.2   316.4   0.0  0.0
D1  vin9   325.2   316.0   0.0  0.0
D1  vin10  323.4   315.2   0.0  0.0
D1  mon40  325.5   320.2   0.0  0.0
D1  mon42  323.8   317.8   0.0  0.0
D1  vin11  322.8   314.6   0.0  0.0
D1  vin20  322.1   314.1   0.0  0.0
D1  vin21  323.0   313.8   0.0  0.0
*  pond data
E1  con28  319.0  63160  0.0
*  pump from storage
H1 4  con28  con30  3  5  10  2.0  5.0  8.0  1.0  5.0  2.5
*  outfall data
I1 wed20 1
I1 ten33 1
I1 vin21 1
J1 2
J2 320.1
J1 2
J2 321.0
J1 2
J2 318.0
*  5 hrs of the 24hr 10-year hydrographs
K1 33
K2  chu10 chu11 chu12 chu12 chu12 bar30 chu14 ten31 ten30 ten32 wed19 vin1 vin2
vin4 vin15 vin5 con24 cci2 con22 con20 con21 con26 vin9 vin6 vin7 vin8 vin9
vin10 vin11 mon40 vin20 cci1 mon40
K3  0.00  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
0.0  0.0  0.0
```

K3 0.33 1.3 1.3 2.5 5.0 0.7 3.5 2.8 1.7 1.1 1.1 1.1 0.6 0.6 1.3
1.3 2.6 1.2 0.6 2.4 2.4 1.2 1.2 2.7 1.9 0.5 1.0 1.0 1.8 1.8 0.9
2.6 1.5 1.5
K3 0.50 1.3 1.3 2.5 6.0 0.8 4.0 3.2 2.0 1.3 1.3 1.4 0.7 0.7 1.4
1.4 3.0 1.3 0.7 2.7 2.7 1.3 1.3 3.0 2.2 0.6 1.1 1.1 2.0 2.0 1.0
3.0 2.0 2.0
K3 0.67 1.5 1.5 3.0 7.0 0.9 4.5 3.6 2.0 1.3 1.3 1.4 0.8 0.8 1.6
1.6 3.3 1.6 0.8 3.2 3.2 1.6 1.6 3.4 2.4 0.6 1.3 1.3 2.3 2.3 1.2
3.3 2.0 2.0
K3 0.83 1.8 1.8 3.5 8.0 1.1 5.5 4.4 2.6 1.8 1.8 1.8 1.0 1.0 2.0
2.0 4.1 1.8 1.0 3.8 3.8 1.8 1.8 4.2 3.0 0.8 1.5 1.5 2.8 2.8 1.4
4.1 2.5 2.5
K3 1.00 2.5 2.5 5.0 13.0 1.5 7.5 6.0 3.3 2.2 2.2 2.3 1.4 1.4 2.9
2.9 5.9 2.5 1.3 5.1 5.1 2.5 2.5 5.7 4.1 1.0 2.1 2.1 3.8 3.8 1.9
5.6 3.5 3.5
K3 1.08 4.0 4.0 8.0 23.0 2.5 12.5 10.0 5.3 3.5 3.5 3.7 2.3 2.3 4.7
4.7 9.6 4.0 2.2 8.4 8.4 4.0 4.0 8.4 5.9 1.5 3.1 3.1 6.5 6.5 3.4
9.6 5.5 5.5
K3 1.17 5.3 5.3 10.5 24.0 3.0 15.0 12.0 6.9 4.6 4.6 4.8 2.6 2.6 5.2
5.2 10.7 4.8 2.6 10.0 10.0 4.8 4.8 11.8 8.4 2.2 4.3 4.3 8.8 8.8 4.5
12.9 7.0 7.0
K3 1.25 3.8 3.8 7.5 15.0 2.1 10.5 8.4 5.6 3.7 3.7 3.9 2.0 2.0 4.0
4.0 8.1 3.5 1.9 7.3 7.3 3.5 3.5 10.3 7.3 1.9 3.8 3.8 6.0 6.0 3.1
8.9 6.0 6.0
K3 1.33 3.0 3.0 6.0 11.0 1.6 8.0 6.4 4.6 3.1 3.1 3.2 1.5 1.5 3.1
3.1 6.3 2.7 1.5 5.7 5.7 2.7 2.7 8.0 5.7 1.5 2.9 2.9 4.3 4.3 2.2
6.3 4.5 4.5
K3 1.42 2.5 2.5 5.0 10.0 1.4 7.0 5.6 4.0 2.6 2.6 2.8 1.4 1.4 2.9
2.9 5.9 2.5 1.3 5.1 5.1 2.5 2.5 6.1 4.3 1.1 2.2 2.2 3.3 3.3 1.7
4.8 3.5 3.5
K3 1.50 2.3 2.3 4.5 9.0 1.3 6.5 5.2 3.3 2.2 2.2 2.3 1.4 1.4 2.7
2.7 5.6 2.2 1.2 4.6 4.6 2.2 2.2 4.9 3.5 0.9 1.8 1.8 3.0 3.0 1.6
4.4 3.0 3.0
K3 1.58 2.3 2.3 4.5 8.0 1.2 6.0 4.8 3.3 2.2 2.2 2.3 1.3 1.3 2.5
2.5 5.2 2.1 1.1 4.3 4.3 2.1 2.1 4.6 3.2 0.8 1.7 1.7 2.8 2.8 1.4
4.1 3.0 3.0
K3 1.67 2.0 2.0 4.0 8.0 1.2 6.0 4.8 3.0 2.0 2.0 2.1 1.2 1.2 2.3
2.3 4.8 2.1 1.1 4.3 4.3 2.1 2.1 4.2 3.0 0.8 1.5 1.5 2.5 2.5 1.3
3.7 2.5 2.5
K3 1.75 2.0 2.0 4.0 8.0 1.1 5.5 4.4 3.0 2.0 2.0 2.1 1.2 1.2 2.3
2.3 4.8 1.9 1.0 4.1 4.1 1.9 1.9 3.8 2.7 0.7 1.4 1.4 2.3 2.3 1.2
3.3 2.5 2.5
K3 1.83 2.0 2.0 4.0 7.0 1.1 5.5 4.4 2.6 1.8 1.8 1.8 1.1 1.1 2.2
2.2 4.4 1.9 1.0 4.1 4.1 1.9 1.9 3.4 2.4 0.6 1.3 1.3 2.3 2.3 1.2
3.3 2.5 2.5
K3 1.92 2.0 2.0 4.0 7.0 1.1 5.5 4.4 2.6 1.8 1.8 1.8 1.1 1.1 2.2
2.2 4.4 1.8 1.0 3.8 3.8 1.8 1.8 3.4 2.4 0.6 1.3 1.3 2.0 2.0 1.0
3.0 2.0 2.0
K3 2.00 1.8 1.8 3.5 7.0 1.0 5.0 4.0 2.6 1.8 1.8 1.8 1.0 1.0 2.0
2.0 4.1 1.8 1.0 3.8 3.8 1.8 1.8 3.4 2.4 0.6 1.3 1.3 2.0 2.0 1.0
3.0 2.0 2.0
K3 2.08 1.8 1.8 3.5 6.0 1.0 5.0 4.0 2.3 1.5 1.5 1.6 1.0 1.0 2.0
2.0 4.1 1.7 0.9 3.5 3.5 1.7 1.7 3.0 2.2 0.6 1.1 1.1 1.8 1.8 0.9
2.6 2.0 2.0
K3 2.17 1.8 1.8 3.5 6.0 1.0 5.0 4.0 2.3 1.5 1.5 1.6 0.9 0.9 1.8
1.8 3.7 1.7 0.9 3.5 3.5 1.7 1.7 3.0 2.2 0.6 1.1 1.1 1.8 1.8 0.9
2.6 2.0 2.0

```
K3  2.25  1.8  1.8  3.5  6.0  1.0  5.0  4.0  2.3  1.5  1.5  1.6  0.9  0.9  1.8
1.8  3.7  1.7  0.9  3.5  3.5  1.7  1.7  3.0  2.2  0.6  1.1  1.1  1.8  1.8  0.9
2.6  2.0  2.0
K3  2.33  1.5  1.5  3.0  6.0  0.9  4.5  3.6  2.0  1.3  1.3  1.4  0.8  0.8  1.6
1.6  3.3  1.6  0.8  3.2  3.2  1.6  1.6  2.7  1.9  0.5  1.0  1.0  1.8  1.8  0.9
2.6  2.0  2.0
K3  2.42  1.5  1.5  3.0  6.0  0.9  4.5  3.6  2.0  1.3  1.3  1.4  0.8  0.8  1.6
1.6  3.3  1.6  0.8  3.2  3.2  1.6  1.6  2.7  1.9  0.5  1.0  1.0  1.5  1.5  0.8
2.2  2.0  2.0
K3  2.50  1.5  1.5  3.0  5.0  0.9  4.5  3.6  2.0  1.3  1.3  1.4  0.8  0.8  1.6
1.6  3.3  1.6  0.8  3.2  3.2  1.6  1.6  2.7  1.9  0.5  1.0  1.0  1.5  1.5  0.8
2.2  2.0  2.0
K3  2.75  1.3  1.3  2.5  5.0  0.8  4.0  3.2  1.7  1.1  1.1  1.1  0.7  0.7  1.4
1.4  3.0  1.3  0.7  2.7  2.7  1.3  1.3  2.3  1.6  0.4  0.8  0.8  1.5  1.5  0.8
2.2  1.5  1.5
K3  3.00  1.3  1.3  2.5  5.0  0.7  3.5  2.8  1.7  1.1  1.1  1.1  0.6  0.6  1.3
1.3  2.6  1.2  0.6  2.4  2.4  1.2  1.2  2.3  1.6  0.4  0.8  0.8  1.3  1.3  0.6
1.9  1.5  1.5
K3  3.25  1.0  1.0  2.0  4.0  0.6  3.0  2.4  1.3  0.9  0.9  0.9  0.6  0.6  1.3
1.3  2.6  1.2  0.6  2.4  2.4  1.2  1.2  1.9  1.4  0.3  0.7  0.7  1.3  1.3  0.6
1.9  1.5  1.5
K3  3.50  1.0  1.0  2.0  4.0  0.6  3.0  2.4  1.3  0.9  0.9  0.9  0.5  0.5  1.1
1.1  2.2  1.0  0.6  2.2  2.2  1.0  1.0  1.9  1.4  0.3  0.7  0.7  1.0  1.0  0.5
1.5  1.5  1.5
K3  3.75  1.0  1.0  2.0  4.0  0.6  3.0  2.4  1.3  0.9  0.9  0.9  0.5  0.5  1.1
1.1  2.2  1.0  0.6  2.2  2.2  1.0  1.0  1.9  1.4  0.3  0.7  0.7  1.0  1.0  0.5
1.5  1.5  1.5
K3  4.00  1.0  1.0  2.0  4.0  0.5  2.5  2.0  1.3  0.9  0.9  0.9  0.5  0.5  1.1
1.1  2.2  0.9  0.5  1.9  1.9  0.9  0.9  1.9  1.4  0.3  0.7  0.7  1.0  1.0  0.5
1.5  1.5  1.5
K3  4.25  0.8  0.8  1.5  3.0  0.5  2.5  2.0  1.3  0.9  0.9  0.9  0.5  0.5  0.9
0.9  1.9  0.9  0.5  1.9  1.9  0.9  0.9  1.9  1.4  0.3  0.7  0.7  1.0  1.0  0.5
1.5  1.5  1.5
K3  4.50  0.8  0.8  1.5  3.0  0.5  2.5  2.0  1.0  0.7  0.7  0.7  0.5  0.5  0.9
0.9  1.9  0.9  0.5  1.9  1.9  0.9  0.9  1.5  1.1  0.3  0.6  0.6  1.0  1.0  0.5
1.5  1.0  1.0
K3  4.75  0.8  0.8  1.5  3.0  0.5  2.5  2.0  1.0  0.7  0.7  0.7  0.5  0.5  0.9
0.9  1.9  0.9  0.5  1.9  1.9  0.9  0.9  1.5  1.1  0.3  0.6  0.6  1.0  1.0  0.5
1.5  1.0  1.0
K3  5.00  0.8  0.8  1.5  3.0  0.5  2.5  2.0  1.0  0.7  0.7  0.7  0.5  0.5  0.9
0.9  1.9  0.8  0.4  1.6  1.6  0.8  0.8  1.5  1.1  0.3  0.6  0.6  0.8  0.8  0.4
1.1  1.0  1.0
$ENDPROGRAM
```

```
SW 1 0 0
MM 3 10 11 12
$ANUM
$EXTRAN
A1 'Morgan Hill-- subbasins lll245-lll246'
A1 'System 7a--outfall to llagos creek  '
B1 7200  2.0  0.0  1  30  30  0
B2 0 1 0.0 30 0.08
B3 0 3 0 0 10
B5 edu61 chu2 spr55
* pipe data
C1  dep1   dep1   dep2    0.0  1  0.0 2.00  0.0  720  0.0  0.0  0.015  0.0 0.0
C1  dep2   dep2   dep3    0.0  1  0.0 2.50  0.0  835  0.0  0.0  0.015  0.0 0.0
C1  dep3   dep3   edu61   0.0  1  0.0 2.50  0.0  101  0.0  0.0  0.015  0.0 0.0
C1  edu61  edu61  edu60   0.0  1  0.0 2.50  0.0  215  0.0  0.0  0.015  0.0 0.0
C1  edu60  edu60  chu1    0.0  1  0.0 2.50  0.0  428  0.0  0.0  0.015  0.0 0.0
C1  myr1   myr1   chu1    0.0  1  0.0 1.50  0.0  392  0.0  0.0  0.015  0.0 0.0
C1  chu1   chu1   chu2    0.0  1  0.0 3.00  0.0  700  0.0  0.0  0.015  0.0 0.0
C1  chu2   chu2   bis1    0.0  1  0.0 3.00  0.0  426  0.0  3.5  0.015  0.0 0.0
C1  bis1   bis1   mon32   0.0  1  0.0 3.00  0.0   30  0.0  0.0  0.015  0.0 0.0
C1  mon32  mon32  mon33   0.0  1  0.0 3.50  0.0  184  3.6  0.0  0.015  0.0 0.0
C1  mon33  mon33  spr55   0.0  1  0.0 3.50  0.0  120  0.0  0.0  0.015  0.0 0.0
C1  spr55  spr55  spr56   0.0  1  0.0 3.50  0.0   85  0.0  0.0  0.015  0.0 0.0
* junction data
D1  dep1   347.7   339.0   0.0  0.0
D1  dep2   342.5   334.4   0.0  0.0
D1  dep3   339.4   333.4   0.0  0.0
D1  edu61  338.8   331.8   0.0  0.0
D1  edu60  338.6   331.3   0.0  0.0
D1  myr1   335.8   331.1   0.0  0.0
D1  chu1   336.7   329.2   0.0  0.0
D1  chu2   335.4   327.6   0.0  0.0
D1  bis1   333.2   322.8   0.0  0.0
D1  mon32  333.6   322.5   0.0  0.0
D1  mon33  334.4   325.9   0.0  0.0
D1  spr55  334.6   325.7   0.0  0.0
D1  spr56  334.0   325.6   0.0  0.0
*  outfall info
I1 spr56 1
J1 2
J2 329.0
*  5 hrs of the 24hr 10-year hydrographs
K1 10
K2  dep1 dep2 dep3 edu60 chu1 myr1 chu2 bis1 mon32 spr55
K3  0.00  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
K3  0.33  0.8  2.0  1.6  2.0  1.6  1.2  2.3  1.2  1.2  1.1
K3  0.50  0.9  2.3  1.8  2.3  1.8  1.4  2.6  1.4  1.4  1.3
K3  0.67  1.0  2.5  2.0  2.5  2.0  1.5  3.0  1.5  1.5  1.4
K3  0.83  1.2  3.0  2.4  3.0  2.4  1.7  3.3  1.7  1.7  1.6
K3  1.00  1.8  4.5  3.6  4.5  3.6  2.5  5.0  2.5  2.5  2.4
K3  1.08  3.2  8.0  6.4  8.0  6.4  4.1  7.9  4.1  4.1  3.8
K3  1.17  3.3  8.3  6.6  8.3  6.6  4.6  8.9  4.6  4.6  4.3
K3  1.25  2.1  5.3  4.2  5.3  4.2  3.6  6.9  3.6  3.6  3.4
K3  1.33  1.7  4.3  3.4  4.3  3.4  2.9  5.6  2.9  2.9  2.7
K3  1.42  1.5  3.8  3.0  3.8  3.0  2.4  4.6  2.4  2.4  2.2
K3  1.50  1.4  3.5  2.8  3.5  2.8  2.2  4.3  2.2  2.2  2.1
K3  1.58  1.4  3.5  2.8  3.5  2.8  1.9  3.6  1.9  1.9  1.8
```

```
K3  1.67  1.3  3.3  2.6  3.3  2.6  1.9  3.6  1.9  1.9  1.8
K3  1.75  1.2  3.0  2.4  3.0  2.4  1.7  3.3  1.7  1.7  1.6
K3  1.83  1.2  3.0  2.4  3.0  2.4  1.5  3.0  1.5  1.5  1.4
K3  1.92  1.2  3.0  2.4  3.0  2.4  1.5  3.0  1.5  1.5  1.4
K3  2.00  1.1  2.8  2.2  2.8  2.2  1.4  2.6  1.4  1.4  1.3
K3  2.08  1.1  2.8  2.2  2.8  2.2  1.4  2.6  1.4  1.4  1.3
K3  2.17  1.0  2.5  2.0  2.5  2.0  1.2  2.3  1.2  1.2  1.1
K3  2.25  1.0  2.5  2.0  2.5  2.0  1.2  2.3  1.2  1.2  1.1
K3  2.33  1.0  2.5  2.0  2.5  2.0  1.2  2.3  1.2  1.2  1.1
K3  2.42  0.9  2.3  1.8  2.3  1.8  1.2  2.3  1.2  1.2  1.1
K3  2.50  0.9  2.3  1.8  2.3  1.8  1.0  2.0  1.0  1.0  1.0
K3  2.75  0.8  2.0  1.6  2.0  1.6  1.0  2.0  1.0  1.0  1.0
K3  3.00  0.7  1.8  1.4  1.8  1.4  0.9  1.7  0.9  0.9  0.8
K3  3.25  0.7  1.8  1.4  1.8  1.4  0.9  1.7  0.9  0.9  0.8
K3  3.50  0.6  1.5  1.2  1.5  1.2  0.9  1.7  0.9  0.9  0.8
K3  3.75  0.6  1.5  1.2  1.5  1.2  0.9  1.7  0.9  0.9  0.8
K3  4.00  0.6  1.5  1.2  1.5  1.2  0.7  1.3  0.7  0.7  0.6
K3  4.25  0.6  1.5  1.2  1.5  1.2  0.7  1.3  0.7  0.7  0.6
K3  4.50  0.5  1.3  1.0  1.3  1.0  0.7  1.3  0.7  0.7  0.6
K3  4.75  0.5  1.3  1.0  1.3  1.0  0.7  1.3  0.7  0.7  0.6
K3  5.00  0.5  1.3  1.0  1.3  1.0  0.7  1.3  0.7  0.7  0.6
$ENDPROGRAM
```

```
SW 1 0 0
MM 3 10 11 12
$ANUM
$EXTRAN
A1 'Morgan Hill-- existing development '
A1 'System 6a-- two outfalls to Butterfield Channel'
B1 10800  1.0  0.0  1  30  30  0
B2 0 1 0.0 30 0.08
B3 0 4 0 0 19
B5 wal6 san13 san16a san16b
* pipe data
C1  wal1   wal1   wal2    0.0  1  0.0 2.00  0.0  385  0.0  0.5  0.015  0.0 0.0
C1  wal2   wal2   wal5    0.0  1  0.0 2.50  0.0  903  0.0  0.0  0.015  0.0 0.0
C1  wal6   wal6   wal5    0.0  1  0.0 2.00  0.0  175  0.0  0.0  0.015  0.0 0.0
C1  wal5   wal5   wal8    0.0  1  0.0 2.50  0.0  135  0.0  0.0  0.015  0.0 0.0
C1  wal3   wal3   wal8    0.0  1  0.0 2.00  0.0  495  0.0  0.2  0.015  0.0 0.0
C1  wal8   wal8   wal4    0.0  1  0.0 3.00  0.0   22  0.0  0.0  0.015  0.0 0.0
C1  wal7   wal7   wal4    0.0  1  0.0 3.00  0.0  278  0.0  0.0  0.015  0.0 0.0
C1  wal4   wal4   san10   0.0  1  0.0 3.00  0.0  840  0.0  0.0  0.015  0.0 0.0
C1  san10  san10  san11   0.0  1  0.0 3.00  0.0  528  0.0  0.0  0.015  0.0 0.0
* pipe goes from 36" to 24" ??
C1  san11  san11  san12   0.0  1  0.0 2.00  0.0  425  2.3  0.0  0.015  0.0 0.0
C1  san12  san12  san13   0.0  1  0.0 2.00  0.0  398  0.0  0.2  0.015  0.0 0.0
C1  rit4   rit4   rit5    0.0  1  0.0 2.00  0.0  142  0.0  0.0  0.015  0.0 0.0
C1  nat10  nat10  rit5    0.0  1  0.0 1.50  0.0  124  0.0  0.0  0.015  0.0 0.0
C1  rit5   rit5   rit2    0.0  1  0.0 2.00  0.0   42  0.0  0.0  0.015  0.0 0.0
C1  rit1   rit1   rit2    0.0  1  0.0 1.50  5.0  281  0.0  0.0  0.015  0.0 0.0
*  restrictor between rit2 and san13
C1  rit2   rit2   san13   0.0  1  0.0 1.25  0.0  110  0.0  0.0  0.015  0.0 0.0
C1  san13  san13  san14   0.0  1  0.0 2.00  0.0  623  0.0  1.6  0.013  0.0 0.0
C1  jol1   jol1   jol2    0.0  1  0.0 1.75  0.0  333  0.0  0.0  0.014  0.0 0.0
C1  jol2   jol2   san14   0.0  1  0.0 2.00  0.0  747  0.0  0.0  0.013  0.0 0.0
C1  san14  san14  san15   0.0  1  0.0 3.50  0.0  527  0.0  0.0  0.015  0.0 0.0
C1  san15  san15  san16   0.0  1  0.0 4.05  0.0  320  0.0  0.0  0.015  0.0 0.0
C1  san16a san16  san19   0.0  1  0.0 4.00  0.0  465  0.0  0.0  0.015  0.0 0.0
C1  san16b san16  cor1    0.0  1  0.0 4.00  0.0  425  0.0  0.0  0.015  0.0 0.0
* junction data
D1  wal1   350.4   345.2   0.0  0.0
D1  wal2   351.0   343.7   0.0  0.0
D1  wal5   351.1   342.3   0.0  0.0
D1  wal6   349.0   340.0   0.0  0.0
D1  wal3   350.0   343.5   0.0  0.0
D1  wal8   351.8   342.1   0.0  0.0
D1  wal7   349.0   343.5   0.0  0.0
D1  wal4   351.8   342.0   0.0  0.0
D1  san10  348.0   340.5   0.0  0.0
D1  san11  346.0   339.2   0.0  0.0
D1  san12  345.9   341.4   0.0  0.0
D1  rit4   347.5   342.7   0.0  0.0
D1  nat10  346.8   341.7   0.0  0.0
D1  rit5   346.6   341.3   0.0  0.0
D1  rit1   346.2   341.5   0.0  0.0
D1  rit2   346.0   340.6   0.0  0.0
D1  san13  344.1   340.0   0.0  0.0
D1  jol1   347.3   342.4   0.0  0.0
D1  jol2   346.1   340.6   0.0  0.0
D1  san14  344.1   336.3   0.0  0.0
```

```
D1  san15  343.1   335.1   0.0  0.0
D1  san16  342.7   334.8   0.0  0.0
D1  san19  339.0   333.2   0.0  0.0
D1  cor1   342.4   332.0   0.0  0.0
*  outfall data
I1 san19 1
I1 cor1  1
J1 2
J2 335.0
J1 2
J2 355.0
*  5 hrs of the 24hr 10-year hydrographs
K1 19
K2 wal1 wal2 wal5 wal3 san10 san11 san12 san13 rit1 rit2 nat10 jol1 jol2 san14
san15 san16 san16 cor1 rit4
K3  0.00  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
0.0  0.0  0.0  0.0  0.0
K3  0.33  1.2  1.2  1.2  2.4  2.0  2.0  0.1  0.1  1.0  0.3  0.5  2.0  2.0  0.7
0.3  1.0  0.5  0.5 11.0
K3  0.50  1.2  1.2  1.2  2.4  2.0  2.0  0.1  0.1  1.0  0.3  0.5  2.0  2.0  0.7
0.3  1.0  0.5  0.5 12.0
K3  0.67  1.4  1.4  1.4  2.8  2.5  2.5  0.1  0.1  1.0  0.3  0.5  2.0  3.0  0.7
0.3  2.0  0.5  0.5 14.0
K3  0.83  1.8  1.8  1.8  3.6  3.0  3.0  0.1  0.2  1.6  0.4  0.8  3.0  3.0  1.3
0.7  2.0  1.0  1.0 16.0
K3  1.00  3.0  3.0  3.0  6.0  4.5  4.5  0.2  0.3  2.6  0.6  1.3  4.0  5.0  2.0
1.0  3.0  1.0  1.0 21.0
K3  1.08  5.6  5.6  5.6 11.2  7.5  7.5  0.4  0.5  5.2  1.3  2.6  7.0  9.0  4.0
2.0  6.0  2.0  2.0 31.0
K3  1.17  5.2  5.2  5.2 10.4  8.5  8.5  0.2  0.3  3.1  0.8  1.6  9.0  9.0  2.7
1.3  5.0  2.0  2.0 41.0
K3  1.25  3.2  3.2  3.2  6.4  5.5  5.5  0.2  0.3  2.6  0.6  1.3  6.0  6.0  2.0
1.0  4.0  1.5  1.5 38.0
K3  1.33  2.4  2.4  2.4  4.8  4.5  4.5  0.2  0.2  2.1  0.5  1.0  5.0  5.0  1.3
0.7  3.0  1.0  1.0 32.0
K3  1.42  2.0  2.0  2.0  4.0  4.0  4.0  0.2  0.2  2.1  0.5  1.0  4.0  4.0  1.3
0.7  3.0  1.0  1.0 27.0
K3  1.50  1.8  1.8  1.8  3.6  4.0  4.0  0.2  0.2  2.1  0.5  1.0  3.0  4.0  1.3
0.7  3.0  1.0  1.0 24.0
K3  1.58  1.6  1.6  1.6  3.2  3.5  3.5  0.1  0.2  1.6  0.4  0.8  3.0  4.0  0.7
0.3  3.0  1.0  1.0 22.0
K3  1.67  1.4  1.4  1.4  2.8  3.5  3.5  0.1  0.2  1.6  0.4  0.8  3.0  4.0  0.7
0.3  2.0  1.0  1.0 20.0
K3  1.75  1.4  1.4  1.4  2.8  3.5  3.5  0.1  0.2  1.6  0.4  0.8  3.0  4.0  0.7
0.3  2.0  1.0  1.0 20.0
K3  1.83  1.2  1.2  1.2  2.4  3.5  3.5  0.1  0.2  1.6  0.4  0.8  3.0  3.0  0.7
0.3  2.0  1.0  1.0 19.0
K3  1.92  1.2  1.2  1.2  2.4  3.0  3.0  0.1  0.1  1.0  0.3  0.5  3.0  3.0  0.7
0.3  2.0  1.0  1.0 18.0
K3  2.00  1.2  1.2  1.2  2.4  3.0  3.0  0.1  0.1  1.0  0.3  0.5  3.0  3.0  0.7
0.3  2.0  1.0  1.0 18.0
K3  2.08  1.2  1.2  1.2  2.4  3.0  3.0  0.1  0.1  1.0  0.3  0.5  3.0  3.0  0.7
0.3  2.0  1.0  1.0 17.0
K3  2.17  1.0  1.0  1.0  2.0  3.0  3.0  0.1  0.1  1.0  0.3  0.5  2.0  3.0  0.7
0.3  2.0  1.0  1.0 17.0
K3  2.25  1.0  1.0  1.0  2.0  3.0  3.0  0.1  0.1  1.0  0.3  0.5  2.0  3.0  0.7
0.3  2.0  0.5  0.5 17.0
```

```
K3  2.33  1.0  1.0  1.0  2.0  2.5  2.5  0.1  0.1  1.0  0.3  0.5  2.0  3.0  0.7
0.3  1.0  0.5  0.5 16.0
K3  2.42  1.0  1.0  1.0  2.0  2.5  2.5  0.1  0.1  1.0  0.3  0.5  2.0  3.0  0.7
0.3  1.0  0.5  0.5 16.0
K3  2.50  1.0  1.0  1.0  2.0  2.5  2.5  0.1  0.1  1.0  0.3  0.5  2.0  3.0  0.7
0.3  1.0  0.5  0.5 16.0
K3  2.75  0.8  0.8  0.8  1.6  2.0  2.0  0.1  0.1  1.0  0.3  0.5  2.0  3.0  0.7
0.3  1.0  0.5  0.5 15.0
K3  3.00  0.8  0.8  0.8  1.6  2.0  2.0  0.1  0.1  1.0  0.3  0.5  2.0  2.0  0.7
0.3  1.0  0.5  0.5 14.0
K3  3.25  0.8  0.8  0.8  1.6  2.0  2.0  0.1  0.1  1.0  0.3  0.5  2.0  2.0  0.7
0.3  1.0  0.5  0.5 13.0
K3  3.50  0.6  0.6  0.6  1.2  1.5  1.5  0.0  0.1  0.5  0.1  0.3  2.0  2.0  0.7
0.3  1.0  0.5  0.5 12.0
K3  3.75  0.6  0.6  0.6  1.2  1.5  1.5  0.0  0.1  0.5  0.1  0.3  2.0  2.0  0.7
0.3  1.0  0.5  0.5 11.0
K3  4.00  0.6  0.6  0.6  1.2  1.5  1.5  0.0  0.1  0.5  0.1  0.3  2.0  2.0  0.7
0.3  1.0  0.5  0.5 11.0
K3  4.25  0.6  0.6  0.6  1.2  1.5  1.5  0.0  0.1  0.5  0.1  0.3  2.0  2.0  0.7
0.3  1.0  0.5  0.5 10.0
K3  4.50  0.6  0.6  0.6  1.2  1.5  1.5  0.0  0.1  0.5  0.1  0.3  1.0  2.0  0.7
0.3  1.0  0.5  0.5 10.0
K3  4.75  0.6  0.6  0.6  1.2  1.5  1.5  0.0  0.1  0.5  0.1  0.3  1.0  2.0  0.7
0.3  1.0  0.5  0.5  9.0
K3  5.00  0.6  0.6  0.6  1.2  1.5  1.5  0.0  0.1  0.5  0.1  0.3  1.0  2.0  0.7
0.3  1.0  0.5  0.5  9.0
$ENDPROGRAM
```

```
SW 1 0 0
MM 3 10 11 12
$ANUM
$EXTRAN
A1 'Morgan Hill-- subbasins lla132-lla140 '
A1 'System 5e--outfall to llagos cr '
B1 7200  2.0  0.0  1  30  30  0
B2 0 1 0.0 30 0.08
B3 0 3 0 0 11
B5 ven5 nat1 wal52
* pipe data
C1  ven8   ven8   ven7    0.0  1  0.0 2.25  0.0  110  0.0  0.0  0.015  0.0 0.0
C1  ven7   ven7   ven6    0.0  1  0.0 2.50  0.0  252  0.0  0.0  0.015  0.0 0.0
C1  ven6   ven6   ven5    0.0  1  0.0 2.75  0.0  175  0.0  0.0  0.015  0.0 0.0
C1  ven4   ven4   ven5    0.0  1  0.0 1.75  0.0  350  0.0  0.0  0.015  0.0 0.0
C1  ven5   ven5   swo1    0.0  1  0.0 2.75  0.0  500  0.0  0.0  0.015  0.0 0.0
C1  swo1   swo1   nat1    0.0  1  0.0 3.00  0.0  125  0.0  0.0  0.015  0.0 0.0
C1  nat1   nat1   wal50   0.0  1  0.0 4.00  0.0  154  0.0  0.0  0.015  0.0 0.0
C1  wal50  wal50  wal51   0.0  1  0.0 4.00  0.0  770  0.0  0.0  0.015  0.0 0.0
C1  wal51  wal51  wal52   0.0  1  0.0 4.00  0.0  543  0.0  0.0  0.015  0.0 0.0
C1  wal52  wal52  wal53   0.0  1  0.0 4.00  0.0  718  0.0  0.0  0.015  0.0 0.0
* junction data
D1  ven8   327.5   322.1   0.0  0.0
D1  ven7   328.2   321.9   0.0  0.0
D1  ven6   326.4   321.4   0.0  0.0
D1  ven4   325.8   322.5   0.0  0.0
D1  ven5   326.4   320.4   0.0  0.0
D1  swo1   325.8   318.7   0.0  0.0
D1  nat1   325.8   318.2   0.0  0.0
D1  wal50  325.8   317.0   0.0  0.0
D1  wal51  322.0   315.8   0.0  0.0
D1  wal52  321.9   314.7   0.0  0.0
D1  wal53  320.2   313.4   0.0  0.0
*  outfall info
I1 wal53 1
J1 2
J2 317.0
*  5 hrs of 24hr 10-year hydrographs
K1 11
K2  ven8 ven4 ven5 ven7 ven6 swo1 nat1 wal50 wal51 wal52 wal53
K3  0.00  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
K3  0.33  1.0  5.4  1.0  0.3  0.6  0.3  0.3  1.2  4.2  1.2  0.6
K3  0.50  1.0  6.0  1.2  0.4  0.7  0.4  0.4  1.3  4.7  1.3  0.7
K3  0.67  1.0  6.7  1.3  0.4  0.8  0.4  0.4  1.4  5.2  1.4  0.8
K3  0.83  1.0  8.0  1.6  0.5  1.0  0.5  0.5  1.6  5.6  1.6  0.8
K3  1.00  1.0 12.7  2.5  0.8  1.5  0.8  0.8  2.1  7.5  2.1  1.1
K3  1.08  2.0 22.8  4.4  1.4  2.7  1.4  1.4  2.6  9.4  2.6  1.4
K3  1.17  2.0 21.4  4.2  1.3  2.6  1.3  1.3  3.4 12.2  3.4  1.8
K3  1.25  2.0 14.1  2.7  0.8  1.7  0.8  0.8  3.6 13.2  3.6  2.0
K3  1.33  2.0 12.1  2.3  0.7  1.4  0.7  0.7  3.6 13.2  3.6  2.0
K3  1.42  1.0 10.7  2.1  0.6  1.3  0.6  0.6  3.5 12.7  3.5  1.9
K3  1.50  1.0 10.1  1.9  0.6  1.2  0.6  0.6  3.3 11.8  3.3  1.8
K3  1.58  1.0  9.4  1.8  0.6  1.1  0.6  0.6  3.0 10.8  3.0  1.6
K3  1.67  1.0  8.7  1.7  0.5  1.0  0.5  0.5  2.9 10.3  2.9  1.5
K3  1.75  1.0  8.0  1.6  0.5  1.0  0.5  0.5  2.6  9.4  2.6  1.4
K3  1.83  1.0  7.4  1.4  0.4  0.9  0.4  0.4  2.3  8.5  2.3  1.3
K3  1.92  1.0  6.7  1.3  0.4  0.8  0.4  0.4  2.2  8.0  2.2  1.2
```

```
K3  2.00  1.0  6.7  1.3  0.4  0.8  0.4  0.4  2.1  7.5  2.1  1.1
K3  2.08  1.0  6.0  1.2  0.4  0.7  0.4  0.4  1.9  7.1  1.9  1.0
K3  2.17  1.0  6.0  1.2  0.4  0.7  0.4  0.4  1.8  6.6  1.8  1.0
K3  2.25  1.0  5.4  1.0  0.3  0.6  0.3  0.3  1.7  6.1  1.7  0.9
K3  2.33  1.0  5.4  1.0  0.3  0.6  0.3  0.3  1.6  5.6  1.6  0.8
K3  2.42  1.0  5.4  1.0  0.3  0.6  0.3  0.3  1.6  5.6  1.6  0.8
K3  2.50  1.0  5.4  1.0  0.3  0.6  0.3  0.3  1.4  5.2  1.4  0.8
K3  2.75  1.0  4.7  0.9  0.3  0.6  0.3  0.3  1.3  4.7  1.3  0.7
K3  3.00  1.0  4.0  0.8  0.2  0.5  0.2  0.2  1.2  4.2  1.2  0.6
K3  3.25  1.0  4.0  0.8  0.2  0.5  0.2  0.2  1.0  3.8  1.0  0.6
K3  3.50  1.0  4.0  0.8  0.2  0.5  0.2  0.2  1.0  3.8  1.0  0.6
K3  3.75  1.0  3.4  0.6  0.2  0.4  0.2  0.2  1.0  3.8  1.0  0.6
K3  4.00  1.0  3.4  0.6  0.2  0.4  0.2  0.2  0.9  3.3  0.9  0.5
K3  4.25  1.0  3.4  0.6  0.2  0.4  0.2  0.2  0.9  3.3  0.9  0.5
K3  4.50  0.0  3.4  0.6  0.2  0.4  0.2  0.2  0.9  3.3  0.9  0.5
K3  4.75  0.0  3.4  0.6  0.2  0.4  0.2  0.2  0.8  2.8  0.8  0.4
K3  5.00  0.0  2.7  0.5  0.2  0.3  0.2  0.2  0.8  2.8  0.8  0.4
$ENDPROGRAM
```

```
SW 1 0 0
MM 3 10 11 12
$ANUM
$EXTRAN
A1 'Morgan Hill--sub basins lll100-lll110'
A1 'System 5c (morg5c.dat)-- llagos ck. outfall '
B1 14400  2.0  0.0  1  30  30  0
B2 0 1 0.0 30 0.08
B3 1 3 0 0 8
B4 sto3
B5 sto2b sun3 san32
* pipe data
C1  app1   app1   app2    0.0  1  0.0 1.50  0.0  460  0.0  0.0  0.015  0.0 0.0
C1  app2   app2   sto2    0.0  1  0.0 1.50  0.0  100  0.0  0.0  0.015  0.0 0.0
C1  sto2a  sto2   sto3    0.0  1  0.0 1.50  0.0   50  0.0  0.0  0.015  0.0 0.0
C1  sto2b  sto2   sun2    0.0  1  0.0 2.25  0.0  112  0.0  0.0  0.015  0.0 0.0
C1  sto3   sto3   sto1    0.0  1  0.0 1.50  0.0   65  0.0  0.0  0.015  0.0 0.0
C1  sto1   sto1   sun3    0.0  1  0.0 1.50  0.0  158  0.0  0.0  0.015  0.0 0.0
C1  sun2   sun2   sun3    0.0  1  0.0 2.50  0.0  167  0.0  0.0  0.015  0.0 0.0
C1  sun3   sun3   sun5    0.0  1  0.0 2.50  0.0 1124  0.0  0.0  0.015  0.0 0.0
C1  sun5   sun5   sun7    0.0  1  0.0 2.50  0.0  800  0.0  0.0  0.015  0.0 0.0
C1  sun7   sun7   sun8    0.0  1  0.0 5.00  0.0  170  0.0  0.0  0.015  0.0 0.0
C1  sun8a  sun8   sun9    0.0  1  0.0 2.25  0.0   40  0.0  0.0  0.015  0.0 0.0
C1  sun8b  sun8   sun9    0.0  1  0.0 2.25  0.0   40  0.0  0.0  0.015  0.0 0.0
C1  sun9   sun9   san31   0.0  1  0.0 5.00  0.0  595  0.0  0.0  0.015  0.0 0.0
C1  san31  san31  san32   0.0  1  0.0 5.00  0.0  840  0.0  0.0  0.015  0.0 0.0
C1  san32  san32  san33   0.0  1  0.0 5.00  0.0  140  0.0  0.0  0.015  0.0 0.0
* junction data
D1  app1   365.6   361.4   0.0  0.0
D1  app2   356.4   351.5   0.0  0.0
D1  sto2   356.7   353.6   0.0  0.0
D1  sto3   354.7   350.1   0.0  0.0
D1  sto1   355.3   350.1   0.0  0.0
D1  sun2   348.4   342.6   0.0  0.0
D1  sun3   347.3   340.3   0.0  0.0
D1  sun5   341.8   333.7   0.0  0.0
D1  sun7   337.0   329.7   0.0  0.0
D1  sun8   336.1   329.5   0.0  0.0
D1  sun9   336.5   329.4   0.0  0.0
D1  san31  338.3   329.0   0.0  0.0
D1  san32  339.1   328.4   0.0  0.0
D1  san33  338.0   328.2   0.0  0.0
*  pond data
E1  sto3   354.7  20390  0.0
*  outfall info
I1 san33 1
J1 2
J2 333.0
*  5 hrs of 24hr 10-year hydrographs
K1 8
K2 app1 app2 sun2 sun3 sun5 sun8 sun9 san31
K3  0.00  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
K3  0.33  4.5  4.0  1.0  0.5 14.0  3.0  9.0 10.5
K3  0.50  4.9  4.4  1.1  0.6 16.0  3.3  9.8 11.0
K3  0.67  5.8  5.2  1.3  0.7 18.0  3.5 10.5 12.5
K3  0.83  6.8  6.0  1.5  0.8 21.0  3.8 11.3 14.0
K3  1.00  9.9  8.8  2.2  1.1 28.0  4.5 13.5 17.0
```

```
K3  1.08 16.2 14.4  3.6  1.8 40.0  5.3 15.8 21.5
K3  1.17 16.6 14.8  3.7  1.9 54.0  6.8 20.3 27.5
K3  1.25 14.8 13.2  3.3  1.6 51.0  8.3 24.8 31.5
K3  1.33 13.5 12.0  3.0  1.5 49.0  9.3 27.8 32.0
K3  1.42 12.6 11.2  2.8  1.4 46.0  9.8 29.3 30.5
K3  1.50 11.3 10.0  2.5  1.3 41.0 10.0 30.0 29.5
K3  1.58  9.9  8.8  2.2  1.1 36.0  9.5 28.5 29.0
K3  1.67  9.0  8.0  2.0  1.0 31.0  9.3 27.8 28.0
K3  1.75  8.1  7.2  1.8  0.9 28.0  8.8 26.3 27.5
K3  1.83  7.2  6.4  1.6  0.8 25.0  8.3 24.8 26.5
K3  1.92  6.8  6.0  1.5  0.8 24.0  7.8 23.3 25.0
K3  2.00  6.3  5.6  1.4  0.7 22.0  7.0 21.0 24.0
K3  2.08  5.8  5.2  1.3  0.7 21.0  6.5 19.5 22.5
K3  2.17  5.8  5.2  1.3  0.7 20.0  6.0 18.0 21.0
K3  2.25  5.4  4.8  1.2  0.6 19.0  5.8 17.3 19.5
K3  2.33  5.4  4.8  1.2  0.6 18.0  5.3 15.8 18.5
K3  2.42  4.9  4.4  1.1  0.6 18.0  5.0 15.0 17.5
K3  2.50  4.9  4.4  1.1  0.6 17.0  4.8 14.3 16.5
K3  2.75  4.5  4.0  1.0  0.5 16.0  4.3 12.8 14.5
K3  3.00  4.5  4.0  1.0  0.5 15.0  3.8 11.3 13.0
K3  3.25  4.0  3.6  0.9  0.5 14.0  3.5 10.5 12.0
K3  3.50  4.0  3.6  0.9  0.5 13.0  3.3  9.8 11.5
K3  3.75  3.6  3.2  0.8  0.4 13.0  3.3  9.8 11.0
K3  4.00  3.6  3.2  0.8  0.4 12.0  3.0  9.0 10.5
K3  4.25  3.6  3.2  0.8  0.4 12.0  2.8  8.3 10.0
K3  4.50  3.1  2.8  0.7  0.3 11.0  2.8  8.3  9.5
K3  4.75  3.1  2.8  0.7  0.3 11.0  2.8  8.3  9.0
K3  5.00  3.1  2.8  0.7  0.3 11.0  2.5  7.5  9.0
K3 10.00  0.5  0.5  0.2  0.0  0.5  0.0  0.5  0.5
$ENDPROGRAM
```

```
SW 1 0 0
MM 3 10 11 12
$ANUM
$EXTRAN
A1 'Morgan Hill-- subbasins mad90-mad110'
A1 'System 4--madron channel outfall'
B1 7200  2.0  0.0  1  30  30  0
B2 0 1 0.0 30 0.08
B3 0 3 0 0 16
B5 dia3 dia31 dia8
* pipe data
C1  dia1   dia1   dia2    0.0  1  0.0 1.75  0.0  305  0.0  0.0  0.015  0.0 0.0
C1  dia2   dia2   dia3    0.0  1  0.0 1.75  0.0  918  0.0  1.8  0.015  0.0 0.0
C1  rin1   rin1   rin2    0.0  1  0.0 1.50  0.0  209  0.0  0.6  0.015  0.0 0.0
C1  rin2   rin2   rin3    0.0  1  0.0 2.00  0.0  483  0.0  0.5  0.015  0.0 0.0
C1  jus1   jus1   jus2    0.0  1  0.0 1.50  0.0  627  0.0  0.0  0.015  0.0 0.0
C1  jus2   jus2   rin3    0.0  1  0.0 1.25  0.0  350  0.0  1.3  0.015  0.0 0.0
C1  rin3   rin3   dia3    0.0  1  0.0 2.50  0.0  512  0.0  1.0  0.015  0.0 0.0
C1  dia3   dia3   dia4    0.0  1  0.0 3.50  0.0  976  0.0  0.0  0.015  0.0 0.0
C1  dia4   dia4   dia5    0.0  1  0.0 3.50  0.0  868  0.0  0.1  0.015  0.0 0.0
C1  dia5   dia5   dia7    0.0  1  0.0 5.00  0.0  932  0.0  0.0  0.015  0.0 0.0
C1  dia7   dia7   dia8    0.0  1  0.0 5.00  0.0  643  0.0  0.0  0.015  0.0 0.0
C1  mur4   mur4   dia6    0.0  1  0.0 1.50  0.0  725  0.0  0.3  0.015  0.0 0.0
C1  dia6   dia6   dia30   0.0  1  0.0 2.00  0.0  450  0.0  0.0  0.015  0.0 0.0
C1  dia30  dia30  dia31   0.0  1  0.0 2.25  0.0  441  0.0  0.0  0.015  0.0 0.0
C1  dia31  dia31  dia8    0.0  1  0.0 2.50  0.0  697  0.0  0.7  0.015  0.0 0.0
C1  dia8   dia8   dia11   0.0  1  0.0 5.00  0.0   60  0.0  0.0  0.015  0.0 0.0
* junction data
D1  dia1   383.6   376.7   0.0  0.0
D1  dia2   382.2   374.5   0.0  0.0
D1  rin1   373.9   369.3   0.0  0.0
D1  rin2   374.4   368.4   0.0  0.0
D1  jus1   378.7   371.8   0.0  0.0
D1  jus2   380.2   370.3   0.0  0.0
D1  rin3   376.5   367.3   0.0  0.0
D1  dia3   380.2   365.5   0.0  0.0
D1  dia4   376.5   364.1   0.0  0.0
D1  dia5   373.7   361.4   0.0  0.0
D1  dia7   371.5   360.3   0.0  0.0
D1  mur4   369.5   362.6   0.0  0.0
D1  dia6   373.3   361.3   0.0  0.0
D1  dia30  370.1   360.5   0.0  0.0
D1  dia31  368.8   360.1   0.0  0.0
D1  dia8   367.8   357.7   0.0  0.0
D1  dia11  367.5   357.0   0.0  0.0
*  outfall info
I1 dia11 1
J1 2
J2 362.0
*  5 hr 10-year hydrographs
K1 16
K2 dia1 dia3 dia1 dia2 dia3 jus1 jus2 rin2 dia3 rin3 rin1 rin2 dia3 dia5 mur4
dia6
K3  0.00  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
0.0  0.0
K3  0.33  0.6  5.4  0.3  0.2  0.2  1.2  1.2  0.5  0.4  0.5  0.3  0.8  1.0 19.0
0.5  7.0
```

K3	0.50	0.7	6.3	0.4	0.2	0.2	1.6	1.6	0.5	0.4	0.5	0.3	0.8	1.1	20.9	0.5	8.0
K3	0.67	0.8	7.2	0.4	0.2	0.2	1.6	1.6	0.5	0.6	0.8	0.4	1.2	1.2	22.8	0.5	9.0
K3	0.83	0.9	8.1	0.5	0.3	0.3	2.0	2.0	0.5	0.6	0.8	0.4	1.2	1.4	25.6	0.5	11.0
K3	1.00	1.1	9.9	0.7	0.3	0.3	2.8	2.8	1.0	1.0	1.4	0.6	2.0	1.6	30.4	1.0	14.0
K3	1.08	1.5	13.5	1.2	0.6	0.6	4.8	4.8	1.0	1.8	2.4	1.2	3.6	2.0	37.0	1.8	20.0
K3	1.17	2.2	19.8	1.2	0.6	0.6	4.8	4.8	1.5	1.2	1.6	0.8	2.4	2.5	48.5	1.3	27.0
K3	1.25	2.1	18.9	0.9	0.5	0.5	3.6	3.6	1.5	1.0	1.4	0.6	2.0	3.0	57.0	1.0	28.0
K3	1.33	1.7	15.3	0.9	0.5	0.5	3.6	3.6	1.5	1.0	1.4	0.6	2.0	3.1	58.9	0.8	23.0
K3	1.42	1.5	13.5	0.8	0.4	0.4	3.2	3.2	1.0	1.0	1.4	0.6	2.0	3.0	58.0	0.8	19.0
K3	1.50	1.4	12.6	0.8	0.4	0.4	3.2	3.2	1.0	1.0	1.4	0.6	2.0	2.9	54.1	0.8	16.0
K3	1.58	1.4	12.6	0.8	0.4	0.4	3.2	3.2	1.0	0.8	1.1	0.5	1.6	2.7	50.3	0.8	14.0
K3	1.67	1.3	11.7	0.8	0.4	0.4	3.2	3.2	1.0	0.8	1.1	0.5	1.6	2.5	46.5	0.8	13.0
K3	1.75	1.3	11.7	0.7	0.3	0.3	2.8	2.8	1.0	0.8	1.1	0.5	1.6	2.3	42.8	0.8	13.0
K3	1.83	1.3	11.7	0.7	0.3	0.3	2.8	2.8	1.0	0.8	1.1	0.5	1.6	2.2	40.8	0.8	12.0
K3	1.92	1.3	11.7	0.7	0.3	0.3	2.8	2.8	1.0	0.6	0.8	0.4	1.2	2.0	39.0	0.8	12.0
K3	2.00	1.2	10.8	0.7	0.3	0.3	2.8	2.8	1.0	0.6	0.8	0.4	1.2	2.0	38.0	0.8	12.0
K3	2.08	1.2	10.8	0.6	0.3	0.3	2.4	2.4	1.0	0.6	0.8	0.4	1.2	2.0	37.0	0.8	11.0
K3	2.17	1.2	10.8	0.6	0.3	0.3	2.4	2.4	1.0	0.6	0.8	0.4	1.2	1.9	36.1	0.8	11.0
K3	2.25	1.2	10.8	0.6	0.3	0.3	2.4	2.4	1.0	0.6	0.8	0.4	1.2	1.9	35.1	0.5	11.0
K3	2.33	1.2	10.8	0.5	0.3	0.3	2.0	2.0	1.0	0.6	0.8	0.4	1.2	1.8	34.2	0.5	11.0
K3	2.42	1.2	10.8	0.5	0.3	0.3	2.0	2.0	1.0	0.4	0.5	0.3	0.8	1.8	33.3	0.5	10.0
K3	2.50	1.1	9.9	0.5	0.3	0.3	2.0	2.0	1.0	0.4	0.5	0.3	0.8	1.7	32.3	0.5	10.0
K3	2.75	1.1	9.9	0.4	0.2	0.2	1.6	1.6	1.0	0.4	0.5	0.3	0.8	1.6	29.4	0.5	10.0
K3	3.00	1.0	9.0	0.4	0.2	0.2	1.6	1.6	1.0	0.4	0.5	0.3	0.8	1.4	26.6	0.5	9.0
K3	3.25	0.9	8.1	0.4	0.2	0.2	1.6	1.6	1.0	0.4	0.5	0.3	0.8	1.3	24.7	0.5	9.0
K3	3.50	0.8	7.2	0.3	0.2	0.2	1.2	1.2	1.0	0.4	0.5	0.3	0.8	1.1	21.9	0.5	9.0
K3	3.75	0.8	7.2	0.3	0.2	0.2	1.2	1.2	1.0	0.4	0.5	0.3	0.8	1.1	20.9	0.5	8.0
K3	4.00	0.7	6.3	0.3	0.2	0.2	1.2	1.2	0.5	0.4	0.5	0.3	0.8	1.0	19.0	0.3	8.0

```
K3  4.25  0.7  6.3  0.3  0.2  0.2  1.2  1.2  0.5  0.4  0.5  0.3  0.8  0.9 18.0
0.3  7.0
K3  4.50  0.6  5.4  0.3  0.2  0.2  1.2  1.2  0.5  0.4  0.5  0.3  0.8  0.9 17.1
0.3  7.0
K3  4.75  0.6  5.4  0.3  0.2  0.2  1.2  1.2  0.5  0.4  0.5  0.3  0.8  0.9 16.1
0.3  7.0
K3  5.00  0.6  5.4  0.3  0.2  0.2  1.2  1.2  0.5  0.4  0.5  0.3  0.8  0.9 16.1
0.3  6.0
$ENDPROGRAM
```

```
SW 1 0 0
MM 3 10 11 12
$ANUM
$EXTRAN
A1 'Morgan Hill-- subbasins mad228-mad260'
A1 'System 9--outfall to Madron channel'
B1 7200  2.0  0.0  1  30  30  0
B2 0 1 0.0 30 0.08
B3 2 3 0 0 13
B4 pin2 pep10
B5 sev3  sev6  san3
* pipe data
C1  sev1   sev1   sev2    0.0  1  0.0 2.00  0.0  420  0.0  0.0  0.015  0.0 0.0
C1  pin2   pin2   sev2    0.0  1  0.0 1.00  0.0   63  0.0  0.2  0.015  0.0 0.0
C1  sev2   sev2   sev3    0.0  1  0.0 2.00  0.0  770  0.0  0.0  0.015  0.0 0.0
C1  sev3   sev3   sev6    0.0  1  0.0 2.00  0.0  388  0.0  0.0  0.015  0.0 0.0
C1  pep10a pep10  pep11   0.0  1  0.0 1.50  0.0   60  0.0  0.0  0.015  0.0 0.0
C1  pep10b pep10  pep11   0.0  1  0.0 1.25  0.0   60  0.0  0.0  0.015  0.0 0.0
C1  pep11  pep11  sev6    0.0  1  0.0 2.00  0.0  167  0.0  0.0  0.015  0.0 0.0
C1  sev5   sev5   sev6    0.0  1  0.0 1.50  0.0  340  0.0  0.0  0.015  0.0 0.0
C1  sev6   sev6   sev7    0.0  1  0.0 1.00  0.0  140  0.0  0.0  0.015  0.0 0.0
C1  sev7   sev7   san5    0.0  1  0.0 2.75  0.0  879  0.0  0.0  0.015  0.0 0.0
C1  san5   san5   san2    0.0  1  0.0 3.50  0.0 1050  0.0  0.0  0.015  0.0 0.0
C1  san2   san2   san3    0.0  1  0.0 4.00  0.0 1025  0.0  0.0  0.015  0.0 0.0
C1  con1   con1   san3    0.0  1  0.0 1.25  0.0  368  0.0  4.0  0.015  0.0 0.0
C1  san3   san3   san4    0.0  1  0.0 4.50  0.0  437  0.0  0.0  0.015  0.0 0.0
* junction data
D1  sev1   358.9  354.2   0.0  0.0
D1  pin2   358.5  353.6   0.0  0.0
D1  sev2   357.0  353.2   0.0  0.0
D1  sev3   357.5  351.8   0.0  0.0
D1  pep10  357.0  351.2   0.0  0.0
D1  pep11  357.3  350.8   0.0  0.0
D1  sev5   356.9  351.3   0.0  0.0
D1  sev6   357.1  350.6   0.0  0.0
D1  sev7   355.6  349.9   0.0  0.0
D1  san5   352.2  346.1   0.0  0.0
D1  san2   352.3  343.9   0.0  0.0
D1  con1   351.8  348.6   0.0  0.0
D1  san3   351.5  342.0   0.0  0.0
D1  san4   348.0  341.0   0.0  0.0
*  pond data
E1  pin2   358.6   9760.0  0.0
E1  pep10  357.0  11195.0  0.0
*  outfall info
I1 san4 1
J1 2
J2 345.0
*  5 hrs of 10-year 24 hour
K1 13
K2  sev1  pin2  sev2  sev3  pep11 pep10 sev6 sev5 sev7 sev5 san5 con1 san2
K3  0.00  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
K3  0.33  4.0  0.3  0.6  1.7  0.7  0.7  1.1  1.6  0.7  1.0  2.0  9.0  3.0
K3  0.50  5.0  0.3  0.6  1.9  0.8  0.8  1.2  1.8  0.8  1.0  2.0 10.0  4.0
K3  0.67  5.0  0.3  0.7  2.2  0.9  0.9  1.4  2.1  0.9  1.0  2.0 11.0  4.0
K3  0.83  6.0  0.3  0.9  2.6  1.1  1.1  1.7  2.5  1.1  1.0  2.0 14.0  5.0
K3  1.00  7.0  0.5  1.4  4.1  1.7  1.7  2.6  3.9  1.7  1.0  3.0 19.0  7.0
```

K3	1.08	9.0	1.0	2.6	7.7	3.2	3.2	4.8	7.4	3.2	2.0	4.0	31.0	11.0
K3	1.17	12.0	1.0	1.9	5.8	2.4	2.4	3.6	5.5	2.4	2.0	5.0	39.0	12.0
K3	1.25	13.0	0.5	1.4	4.3	1.8	1.8	2.7	4.1	1.8	2.0	5.0	29.0	9.0
K3	1.33	13.0	0.5	1.3	3.8	1.6	1.6	2.4	3.7	1.6	2.0	5.0	22.0	8.0
K3	1.42	13.0	0.5	1.2	3.6	1.5	1.5	2.3	3.5	1.5	2.0	4.0	19.0	8.0
K3	1.50	12.0	0.5	1.1	3.4	1.4	1.4	2.1	3.2	1.4	2.0	4.0	17.0	7.0
K3	1.58	11.0	0.5	1.0	3.1	1.3	1.3	2.0	3.0	1.3	2.0	4.0	16.0	7.0
K3	1.67	10.0	0.3	1.0	2.9	1.2	1.2	1.8	2.8	1.2	2.0	4.0	15.0	7.0
K3	1.75	9.0	0.3	0.9	2.6	1.1	1.1	1.7	2.5	1.1	2.0	4.0	15.0	7.0
K3	1.83	8.0	0.3	0.8	2.4	1.0	1.0	1.5	2.3	1.0	2.0	4.0	14.0	7.0
K3	1.92	8.0	0.3	0.8	2.4	1.0	1.0	1.5	2.3	1.0	2.0	4.0	14.0	7.0
K3	2.00	7.0	0.3	0.7	2.2	0.9	0.9	1.4	2.1	0.9	2.0	4.0	14.0	6.0
K3	2.08	7.0	0.3	0.7	2.2	0.9	0.9	1.4	2.1	0.9	2.0	4.0	13.0	6.0
K3	2.17	7.0	0.3	0.6	1.9	0.8	0.8	1.2	1.8	0.8	2.0	4.0	13.0	6.0
K3	2.25	7.0	0.3	0.6	1.9	0.8	0.8	1.2	1.8	0.8	2.0	4.0	13.0	6.0
K3	2.33	7.0	0.3	0.6	1.7	0.7	0.7	1.1	1.6	0.7	2.0	4.0	12.0	6.0
K3	2.42	7.0	0.3	0.6	1.7	0.7	0.7	1.1	1.6	0.7	2.0	4.0	12.0	5.0
K3	2.50	6.0	0.3	0.6	1.7	0.7	0.7	1.1	1.6	0.7	2.0	4.0	12.0	5.0
K3	2.75	6.0	0.3	0.5	1.4	0.6	0.6	0.9	1.4	0.6	2.0	4.0	11.0	4.0
K3	3.00	6.0	0.3	0.5	1.4	0.6	0.6	0.9	1.4	0.6	2.0	4.0	11.0	4.0
K3	3.25	6.0	0.3	0.5	1.4	0.6	0.6	0.9	1.4	0.6	1.0	4.0	10.0	4.0
K3	3.50	6.0	0.3	0.4	1.2	0.5	0.5	0.8	1.1	0.5	1.0	4.0	9.0	3.0
K3	3.75	5.0	0.3	0.4	1.2	0.5	0.5	0.8	1.1	0.5	1.0	4.0	8.0	3.0
K3	4.00	5.0	0.3	0.4	1.2	0.5	0.5	0.8	1.1	0.5	1.0	3.0	8.0	3.0
K3	4.25	5.0	0.3	0.4	1.2	0.5	0.5	0.8	1.1	0.5	1.0	3.0	8.0	3.0
K3	4.50	5.0	0.3	0.4	1.2	0.5	0.5	0.8	1.1	0.5	1.0	3.0	7.0	3.0
K3	4.75	4.0	0.3	0.3	1.0	0.4	0.4	0.6	0.9	0.4	1.0	3.0	7.0	3.0
K3	5.00	4.0	0.3	0.3	1.0	0.4	0.4	0.6	0.9	0.4	1.0	3.0	7.0	3.0

$ENDPROGRAM