

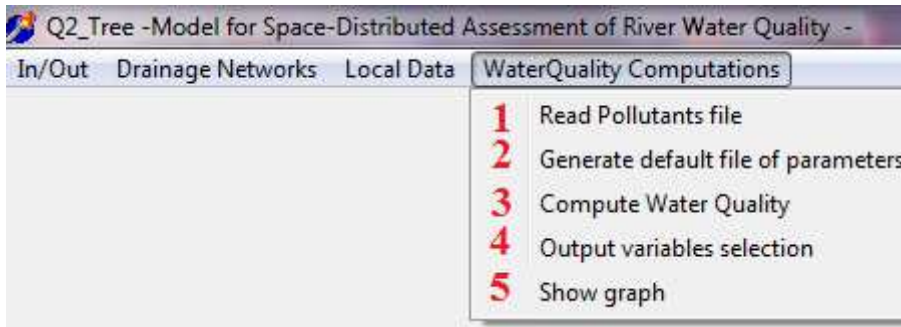
TUTORIAL 2

test case 2: *test2_2017.grd*

The second test case described in the companion paper is a 200-km long river discretised in 100, 2-km long stretches. These geometrical features of the DEM are automatically specified in the header of the input *.grd file that is read by the program

```
ncols          1
nrows          100
xllcorner      1000000.00
yllcorner      1000000.00
cellsize       2000
NODATA_value   -9
```

Run the Q2T program by clicking on the *Q2T.exe* icon and select the file *test2_2017.grd*. This test case is similar to the previous one and the only differences are related to the pollutant file and the choice of parameters. Accordingly follow the instructions presented in Tutorial 1, as far as the Command Water Quality Computations.

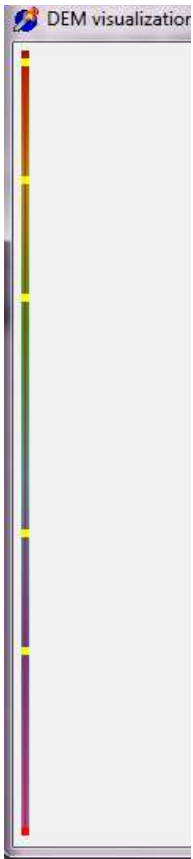


Select Command 2 to read the user-defined list of pollutant sources and water diversions. Here select the file *Test2_2017.inp*. This file is an unformatted ASCII file that contains the following information:

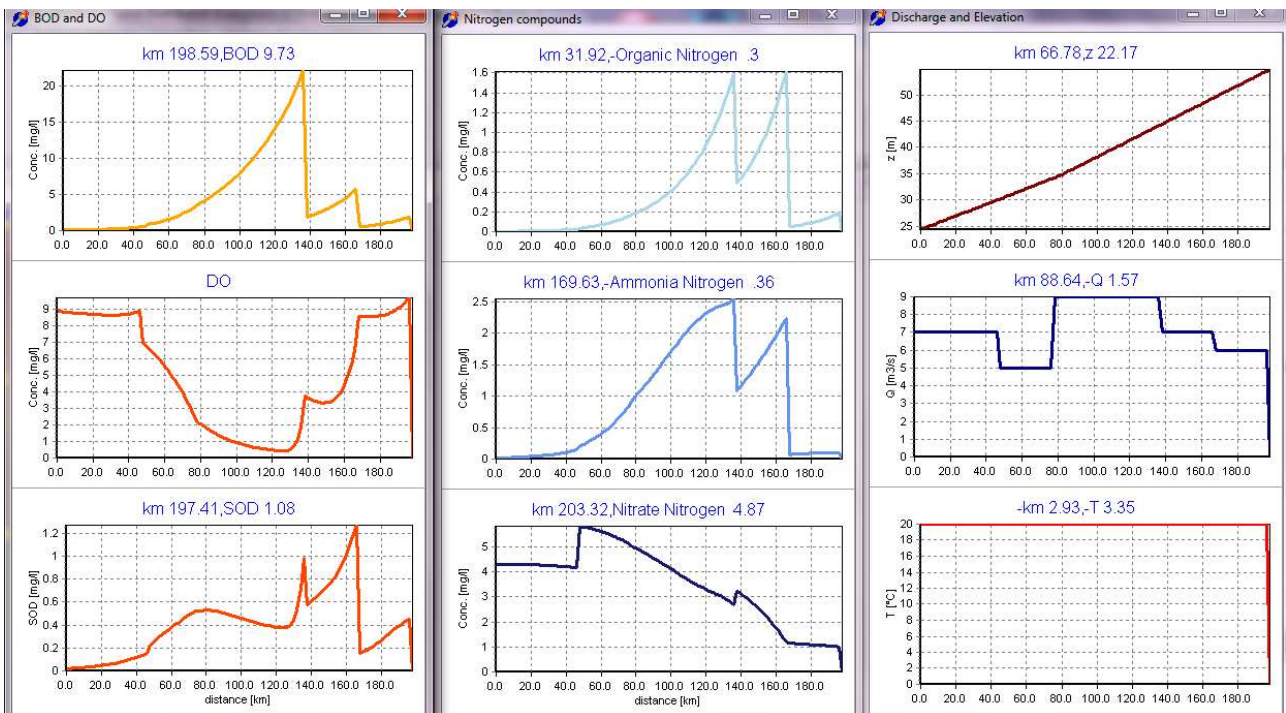
r	c	Q_immission	T	Ci_imm i=1..5					Q_diversion
2	1	6.0000	20.0	2.00	0.2	0.1	1	10.00	0
17	1	1.0000	20.0	40.00	12.00	16.0	0.0	2	0
32	1	2.0000	20.0	100.00	6.00	8.0	0.0	1	0
62	1	0.0000	20.0	0.00	0.00	0.0	0.0	0	4
77	1	2.0000	20.0	0.00	0.00	0.0	0.0	14	0

The meaning of this file can be easily understood by comparison with the pollutant loads summarized in Table 4 of the Companion paper.

When this file is read, immission or withdrawal points are marked along the CN with yellow points. For instance, the 4 pollutant immissions + 1 water diversion of this test case are marked as shown in the panel below. The red cell is the watershed outlet.



From this point onward follow the same instructions of Tutorial 1. Eventually the space pattern of the 6 computed variables is shown as below



In order to quit the program, click on the white cross at the upper right corner of the DOS panel.

