

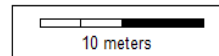
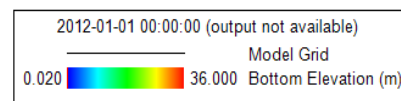
Read Me:

Model Name: DM-19_1D-Slope_Toxics_Model

Objective: Use EFDC+ Explorer (EE) and EFDC+ to simulate hydrodynamics, sediment transport and toxics in a sloping one-dimensional river.

Model Grid: 80 horizontal grid cells, 1 vertical layer in water column, 2 layers in sediment bed.

EFDC+ Demonstration



Click mouse to get grid cell information

122469.67, 15.66

Figure 1 Model Domain of DM-19_1D-Slope_Toxics.

Folder Structure:

Model: EFDC model that can be loaded in EE to pre- and post-process.

Test_record file: This file is just a record file that informs which EFDC+ executable was used to run the model.

Modules Activated: Hydrodynamics, sediment transport, and toxics.

Description: This model was designed to test mass balance and demonstrate sediment transport and toxics in a sloping one-dimensional river.

Disclaimer: The model is provided to our users to demonstrate that EFDC_Explorer and EFDC+ can be used to better understand how to build this kind of model. The model is running as expected; however, shouldn't be considered final as the model can be modified / refined to obtain improved results.

Files in Data Folder:

No data folder

Model result:

EFDC+ Demonstration

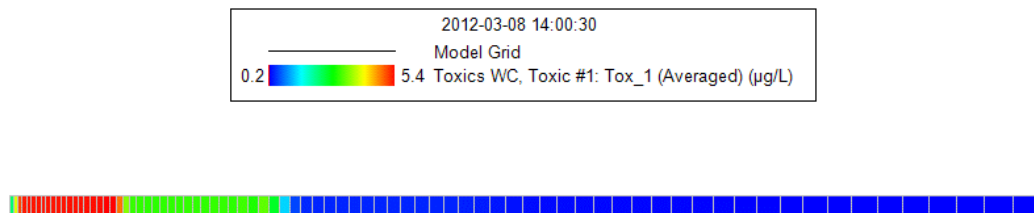


Figure 2 Toxic concentration result of the model.