

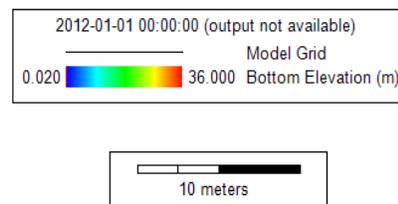
Read Me:

**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.

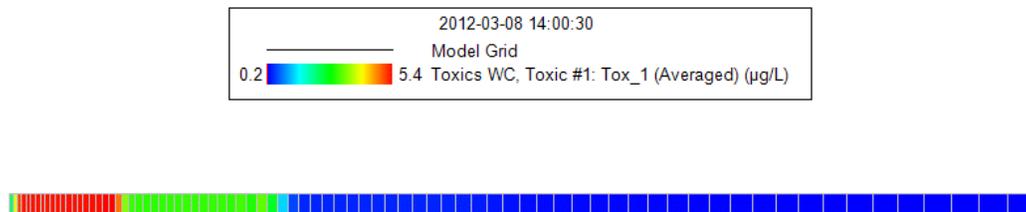
**Disclaimer:** The model is provided to our users to demonstrate that EFDC\_Explorer and EFDC+ can be used to better understand how to build this kind of model. The model is running as expected; however, shouldn't be considered final as the model can be modified / refined to obtain improved results.

**Files in Data Folder:**

No data folder

**Model result:**

## EFDC+ Demonstration



**Figure 2 Toxic concentration result of the model.**