

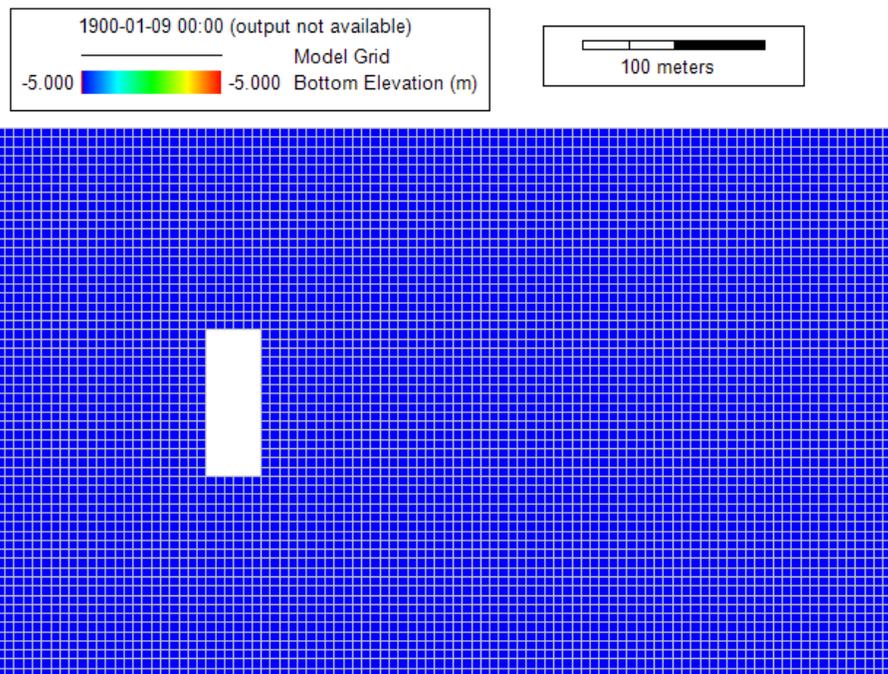
Read Me:

**Model Name:** DM-16\_Flow\_Past\_Block\_Model

**Objective:** Use EFDC+ Explorer (EE) and EFDC+ to simulate hydrodynamic of flow past a block with the goal of better understanding turbulence in EFDC.

**Model Grid:** 5,904 horizontal grid cells and 1 vertical layer.

### EFDC+ Demonstration



Click mouse to get grid cell information

1296.80, 1392.88

**Figure 1 Model Domain of DM-16\_Flow\_Past\_Block.**

**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, dye.

**Description:** This model is designed to demonstrate and help understand the impacts of turbulence on an EFDC+ model.

**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:**

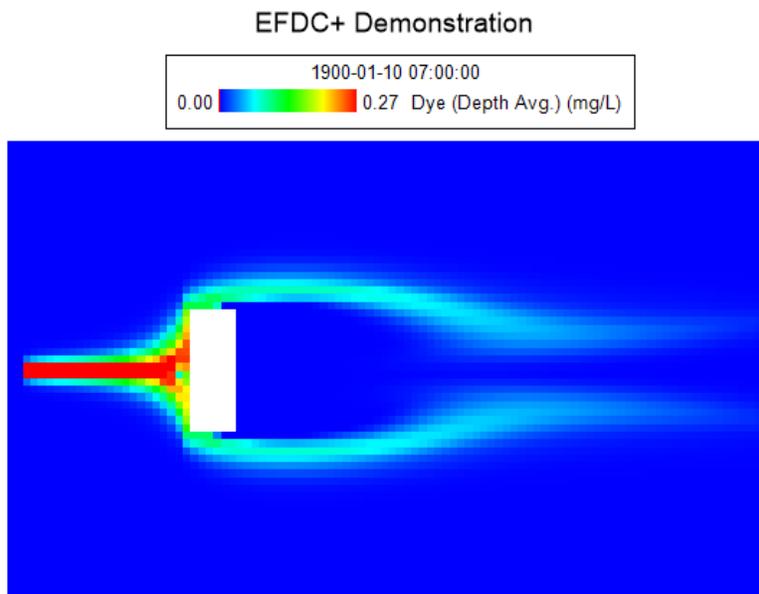


Figure 2 2DH view of dye from DM-16\_Flow\_Past\_Block.