

Read Me:

Model Name: DM-17_2D-Tank_Density_Flow_Model

Objective: Use EFDC+ Explorer (EE) and EFDC+ to simulate an example of density flow.

Model Grid: 400 horizontal grid cells and 200 vertical layers.

EFDC+ Demonstration

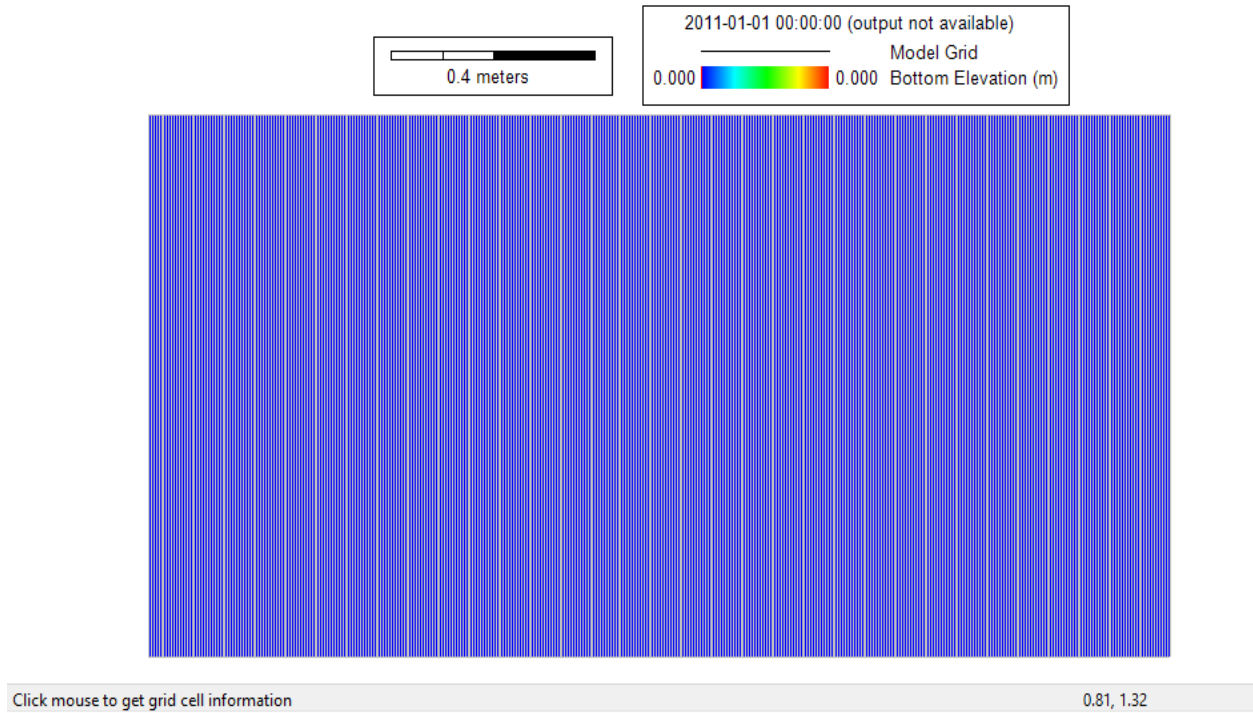


Figure 1 Model Domain of DM-17_2D-Tank_Density_Flow.

Folder Structure:

Data: This folder contains data that can be used with the model. These data can be measured data or output from model or derived from analytical equations.

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, salinity.

Description: This model is designed to demonstrate and aid the understanding of density flow in EFDC+.

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:

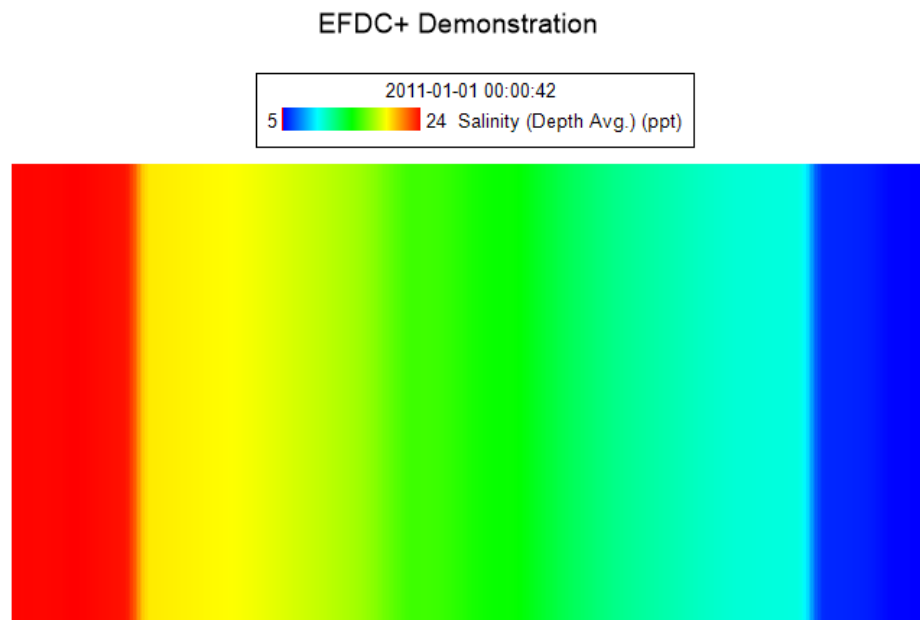


Figure 2 2DH view of salinity from DM-17_2D-Tank_Density_Flow.