

Read Me:

Model Name: DM-27_Lake_T_Zooplankton_Model

Objective: Use EFDC+ Explorer (EE) and EFDC+ to simulate hydrodynamics and water quality with zooplankton in Lake Thonotasassa. This model was originally developed by DSI for testing this feature. Step-by-step guidance in how to build this Lake is in the EE Knowledge Base.

Model Grid: 355 horizontal grid cells and 1 vertical layer.

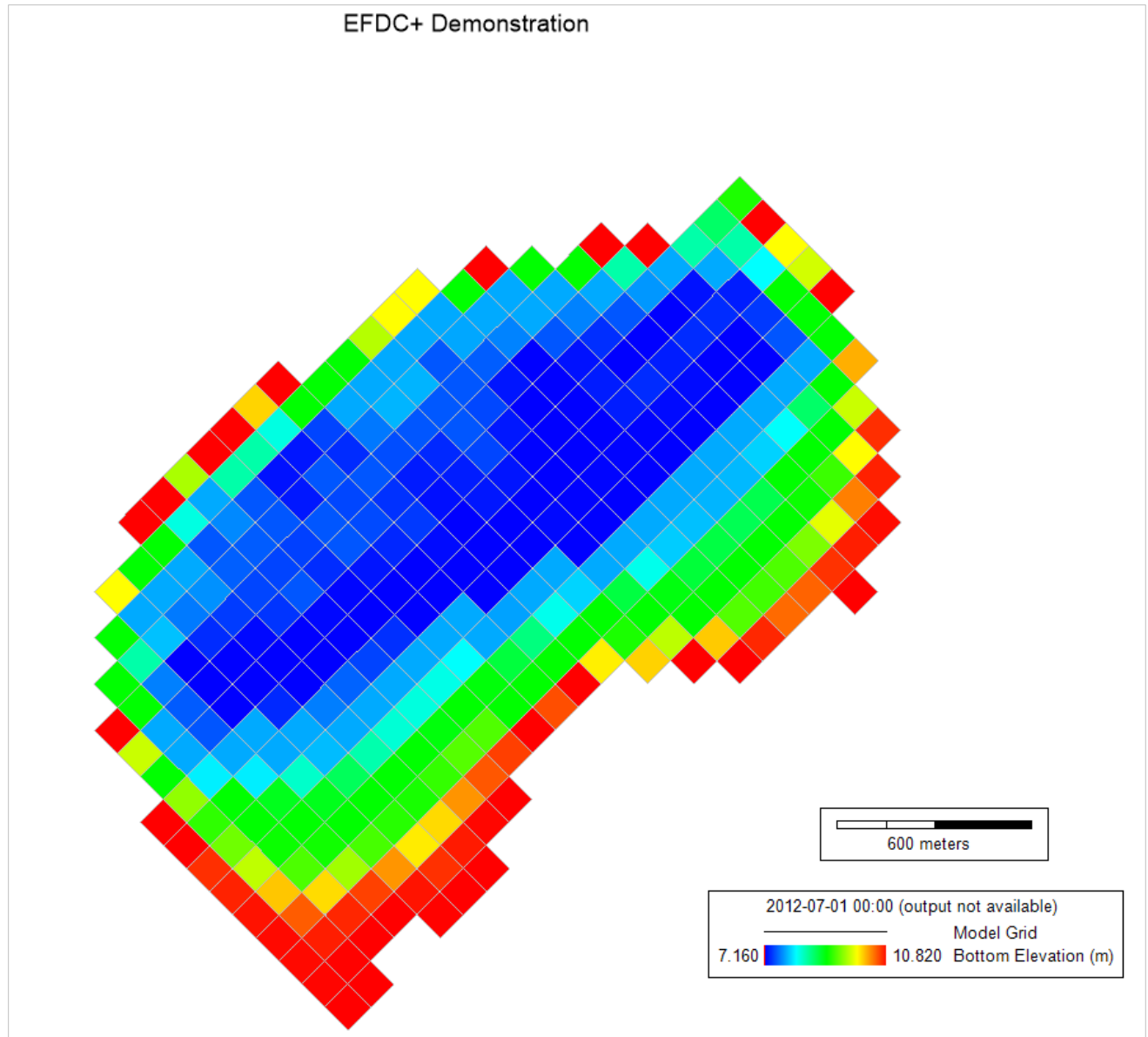


Figure 1. DM-27_Lake_T_Zooplankton_Model.

Folder Structure:

Data: This folder contains data that can be used with the model.

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

Grid: This folder contains grid for building the model

- Lake_T.cvl: CVL grid format, EE uses this grid type for building model
- Lake_T.kml: This file can be opened with Google Earth

Maps-Images: This folder contains the maps/ images of the study area. The formats of the maps/images can be *.geo (geo-referenced file), *.jgw, *.jpg

- Lake_T.jgw
- Lake_T.jpg

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

Modules Activated: hydrodynamics, temperature, water quality.

Disclaimer: The model is provided to our users to demonstrate how EFDC_Explorer and EFDC+ can be used to simulate zooplankton.

Files in Data Folder:**Bathymetry**

- Bathymetry.dat
- Outline.p2d

Boundaries

- Atmospheric.dat
- BC_locations.dat
- Inflow.dat
- Outflow.dat
- Temperature.dat
- Winds.dat
- WQ Data-Lake2D.xls