

EFDC_Explorer7.1 - Level 2 – Sediment Transport Agenda

Attention: This training course is Level 2 and assumes a basic understanding of the EFDC_DSI / EFDC_Explorer Modeling System. Those people who wish to participate that have never used EFDC_Explorer are encouraged to work through the online video tutorials and example models available on our website.

Day 1 – Session 1	Welcome, Introduction
Day 1 – Session 2	EFDC/EFDC_Explorer Sediment Transport Introduction
Lunch Break	
Day 1 – Session 3	Hands On – 1D Model – Adding Sediment Transport to 1D Example
Day 1 – Session 4	Hands On – 1D Model – Model analysis and testing

Day 2 – Session 1	Hands On – 2D Lake – Adding Sediment Transport to 2D Example
Day 2 – Session 2	Hands On – 2D Lake – Configuring horizontally and vertically varying sediment beds
Lunch Break	
Day 2 – Session 3	Hands On – Sediment Transport Modeling, Analysis/Post Processing (2D Lake)
Day 2 – Session 4	EFDC Model Code Review – Sediment Modules Question and Answer

EFDC_Explorer – Level 2 Training Course Objectives

Objective 1: Overview of EFDC/EFDC_DSI Sediment Transport Capabilities

- EFDC Sediment Transport Theory
- EFDC Data Structure, Initial Conditions, Boundary Conditions

Objective 2: Overview of EFDC_Explorer (FULL) Sediment Transport Capabilities

- EFDC Data Structure, Initial Conditions, Boundary Conditions
- EE User Interface for Water Quality Modeling
- Assigning Scour/Deposition and Sediment Bed Properties
- Building simple/complex 3D sediment bed initial conditions
- Building and assigning sediment boundary conditions

Objective 3: Hands on Modeling Practice

- Hands on with EFDC_Explorer and EFDC_DSI
- Creating a model
- Providing solutions to user problems

Objective 4: Introduction to the EFDC Code

- Structure of EFDC Code – Sediment Modules
- Key Aspects of the EFDC Code

For more information please contact us at: ee_training@ds-intl.biz