

## EFDC\_Explorer - Introductory Training Course Agenda

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| Day 1 – Session 1 | Welcome, Introduction<br>Introduction to Modeling Principles   |
| Day 1 – Session 2 | Introduction to EFDC/EFDC_DSI with Theory<br>Introduction to EFDC Explorer   |
| Lunch Break       |  |
| Day 1 – Session 3 | Hands On – Building a 1D Grid  |
| Day 1 – Session 4 | Hands On – Adding BC's with Conservative/Decay   |
|                   |  |
| Day 2 – Session 1 | Overview of EFDC Source Code and Structure   |
| Day 2 – Session 2 | Hands on - Building a 2D Lake Model  |
| Lunch Break       |  |
| Day 2 – Session 3 | Hands on - Building a 2D Lake Model (Cont.)  |
| Day 2 – Session 4 | EFDC_Explorer Model Calibration and Validation Tools<br>Bitmap Georeferencing Setup and Use<br>Question and Answer |

## EFDC\_Explorer – Introductory Training Course Objectives

Objective 1: Introduction to the EFDC\_Explorer Full Version

- Capabilities of EFDC\_DSI & EFDC\_Explorer
- Overview of hydrodynamic model
- Overview of EFDC Model Development
- Use EFDC\_Explorer for pre- & post – processing

Objective 2: EFDC Introduction

- EFDC model components and processing
- Data requirements and data sources
- Model setup and grid generation
- State variables
- Initial conditions & boundary conditions
- Post-processing display of results
- Model calibration & validation

Objective 3: Hands on Modeling Practice

- Existing projects/create new projects
- Hands on with EFDC\_Explorer and EFDC
- Creating simple grids/models

For more information please contact us at: [ee\\_info@ds-intl.biz](mailto:ee_info@ds-intl.biz)