

## EFDC\_Explorer – EC Victoria Training Course Agenda

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Day 1	Welcome, Introduction EFDC Water Quality Theory Overview Hands on – 1D River – Light Box Model
Day 2	Overview of EFDC Source Code and Structure Introduction to the new Sigma-Zed (SGZ) Model Hands On - 3D WQ Lake
Day 3	EFDC/EFDC_Explorer Toxics Modeling Introduction EE7.1 Features - 3D Viewing with slicing and blanking - 3D Overlays Hands On – User Models

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## EFDC\_Explorer –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 Water Quality 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: EFDC Toxics Introduction

### Objective 4: Hands on Modeling Practice

- Existing projects/create new projects
- Hands on with EFDC\_Explorer and EFDC
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