Training Agenda
EFDC_Explorer Modeling System
October 10-13, 2017

Day 1 – Oct 10

- Welcome, Introduction, Copying Training Course files, Installation and Activation of EE8 and CVLGrid
- Hydrodynamic Modeling Approach
- Overview of EFDC+/EFDC_Explorer Modeling System
- Issues and EFDC Solutions
- Introduction and Hands-on for 1-D River Model

Day 2 – Oct 11

- Georeferencing
- Introduction to 2-D Lake Model
- Hands-on building 2-D Lake Model
- Calibration Tools (Graphs / Statistics)

Day 3 – Oct 12

- Sediment Transport Introduction
- Introduction to SEDFlume and SEDFlume data processing
- EEMS SEDZLJ Features and Tools
- Flume Model (Hands-on)
  - Suspended Load
  - Bedload
  - Morphologic Feedback
  - Mass Balance

Day 4 – Oct 13

- Toxics Transport Introduction
  - Sorption Approaches
  - Loss and Degradation
- EEMS Toxics Features and Tools
- Flume Model (Hands-on)
  - Higher Koc Toxic (e.g. higher PCB homologs)
  - Lower Koc Toxic (e.g. Naphthalene)
  - Loss Terms
  - Mass Balance
- Estuarine Application (Hands-on)
- Questions and Answers