2025 LSPC Training Track

Tues, Sept. 16, 2025 9:00 AM – 11:30 AM

Overview of Watershed Modeling & Data Needs

- Objectives of Model Training
- Lecture: Introduction to Watershed Modeling
- Lecture: Discussion on Training Watershed and Data Needs
- Lecture: Introduction to BASINS and BASINS data download tool
    - Exercise: Build BASINS project for the training watershed
- Lecture: Introduction to Watershed Segmentation (BASINS Manual/Auto-Delineation Plugin)
    - Exercise: Auto-Delineate Basins of Interest

Tues, Sept. 16, 2025 1:00PM – 4:00 PM

Input Data Processing for Watershed Modeling

- Lecture: Overview of Weather Data Sources and Processing Tools
- Demo: Weather Processing Routines
    - Exercise: Download Weather data through Weather Processor
    - Exercise: Calculation of Hourly PET using the Weather Processor
    - Exercise: Disaggregating Daily Precipitation to Hourly
- Lecture: Point Source Processing

Wed, Sept. 17, 2025 9:00 AM – 11:30 AM

Introduction to LSPC

- Lecture: Introduction to LSPC
- Demo: LSPC BASINS Plug-in
    - Setting up and Running LSPC
    - Creating Sub-Models & Scenario Runs
- Lecture: Introduction to LSPC GUI and Parameters
- Exercise: Build an LSPC model using BASINS LSPC Plug-in for watershed of interest

2025 LSPC Training Track

Wed, Sept. 17, 2025 1:00PM – 4:00 PM

Watershed Model Calibration

- Lecture: LSPC Model Theory & Calibration Parameters
- Demo: Generating Calibration/Sensitivity Runs
- Lecture: LSPC Hydrology Calibration
- Exercise: Creating & Running Calibration Runs

Thurs, Sept. 18, 2025 9:00 AM – 11:30 AM

Post Processing Watershed Model Outputs

- Lecture: Post-Processing LSPC outputs using RScripts
  - Demo: RScripts Calibration
- Demo: Post-Processing for WASP input
- Lecture: Introduction to WASP Builder – BASINS Plugin
  - Demo: WASP Builder – BASINS Plugin

Thurs, Sept. 18, 2025 1:00PM – 4:00 PM

Linking Watershed Output to Water Quality Models – Case Study WASP

- Lecture: Introduction to WASP Interface
- Lecture: Introduction to Linking LSPC to WASP
- Demo: Mapping LSPC Flows to WASP
- Demo: LSPC to WASP Linkage Process

Fri, Sept. 19, 2025 9:00 AM – 10:45 AM

- Q&A & Wrap-up