2026 WORKSHOPS

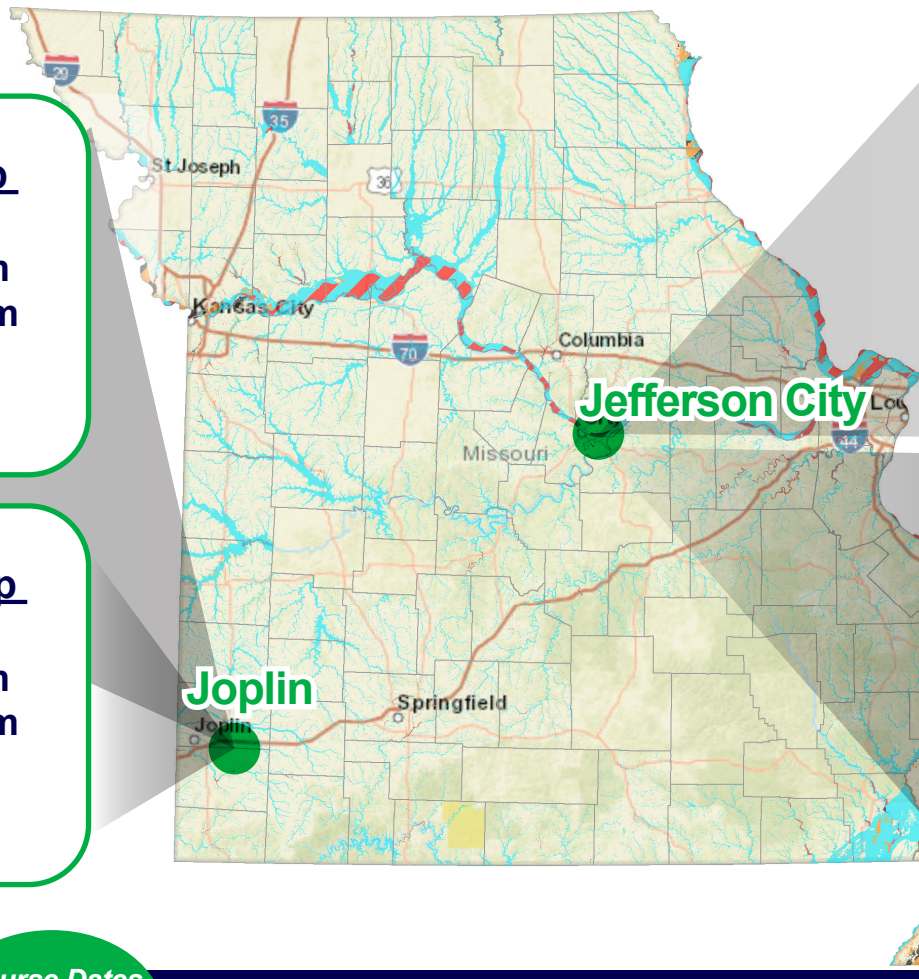
The goal of the 2D workshops is to develop and provide technical training to state agencies, local officials and the local technical community to assist in the transition from 1D to 2D Flood Risk Identification and NFIP Floodplain Management.

Eight CECs are provided for the 2D HEC-RAS and PC-SWMM workshop. Nine CECs are provided for the Risk MAP workshop.

http://bit.ly/MOSEMAOutreach

2D Modeling - Beginner Workshop HEC-RAS 6.6
June 16th: 1pm - 4pm
June 17th: 8am - 12pm
Holiday Inn
3402 Arizona Ave.
Joplin, MO 64804

2D Modeling - Advanced Workshop HEC-RAS 6.6
June 17th: 1pm - 4pm
June 18th: 8am - 12pm
Holiday Inn
3402 Arizona Ave.
Joplin, MO 64804



2D Modeling - Beginner Workshop HEC-RAS 6.6
June 23rd: 1pm - 4pm
June 24th: 8am - 12pm
MoDOT Central District Hqtrs.
Muri Conference Rm.
1511 Missouri Blvd.
Jefferson City, MO

2D Modeling - Advanced Workshop HEC-RAS 6.6
June 24th: 1pm - 4pm
June 25th: 8am - 12pm
MoDOT Central District Hqtrs.
Muri Conference Rm.
1511 Missouri Blvd.
Jefferson City, MO

Course Dates Coming Soon!

The PC SWMM 2D models cover areas of large closed system conveyances coupled with 2D analysis surface storage areas and conveyance paths.

The accuracy of risk identification is greatly enhanced with 2D modeling but needs to be integrated locally to maximize its potential for effective floodplain management. During this workshop you can expect:

- Broadened knowledge of Flood Risk 2D modeling
- Hands on experience pulling information from new 2D models
- Continuity of synergy from Risk MAP deliverables
- Understanding of the NFIP floodplain versus the results of the 2D hydraulic models
- Continued building of partnerships through education and utilizing comments to assist policy changes

Training will include:

- Description and explanation of model development hydrology and hydraulics
- User Guide for basic needs of the floodplain managers and engineers to determine floodplain management answers from existing models
- Process to modify models for 3 typical floodplain management scenarios
- Lead the development of LOMR for modifications
- Facilitate a discussion of issues and concerns for follow up post training.

The HEC RAS 6 2D models cover areas of predominate riverine conveyances and surface storage areas.

The accuracy of risk identification is greatly enhanced with 2D modeling but needs to be integrated locally to maximize its potential for effective floodplain management. During this workshop you can expect:

- Broadened knowledge of Flood Risk 2D modeling
- Hands on experience pulling information from new 2D models
- Continuity of synergy from Risk MAP deliverables
- Understanding of the NFIP floodplain versus the results of the rain on grid 2D hydraulic models
- Continued building of partnerships through education and utilizing comments to assist policy changes

Training will include:

- Description and explanation of model development hydrology and hydraulics
- User Guide for basic needs of the floodplain managers and engineers to determine floodplain management answers from existing models
- Process to modify models for 3 typical floodplain management scenarios
- Lead the development of LOMR for modifications
- Facilitate a discussion of issues and concerns for follow up post training.

Course Dates Coming Soon!

DFIRM Data and Risk MAP Products to manage floodplains.

These are four-hour training workshops for communities and/or individual groups wanting to learn how to utilize their DFIRM data and Risk MAP products to manage floodplains, identify mitigation actions and advance mitigation project for their community.

Bring your computer for a hands-on experience and work along side the instructor to view your floodplain datasets. These are available via an Outreach website for ease of viewing and are also available for download for use within your communities mapping applications.

Continuing Education Credits will be obtained for the workshop's attendees through ASFPM.

Register Online:
mfsma.org/meetinginfo.php

Questions? Contact:
Sydney Roberts, SEMA
(573) 526-9383
Sydney.Roberts@sema.dps.mo.gov

2026 WORKSHOP

Twelve laptops will be available for use at each workshop, but attendees are encouraged to bring their own laptop, if possible. All workshop materials, software, and licenses will be provided on a flash drive for participants to keep. If bringing your own laptop, please review the requirements below.

Equipment materials:

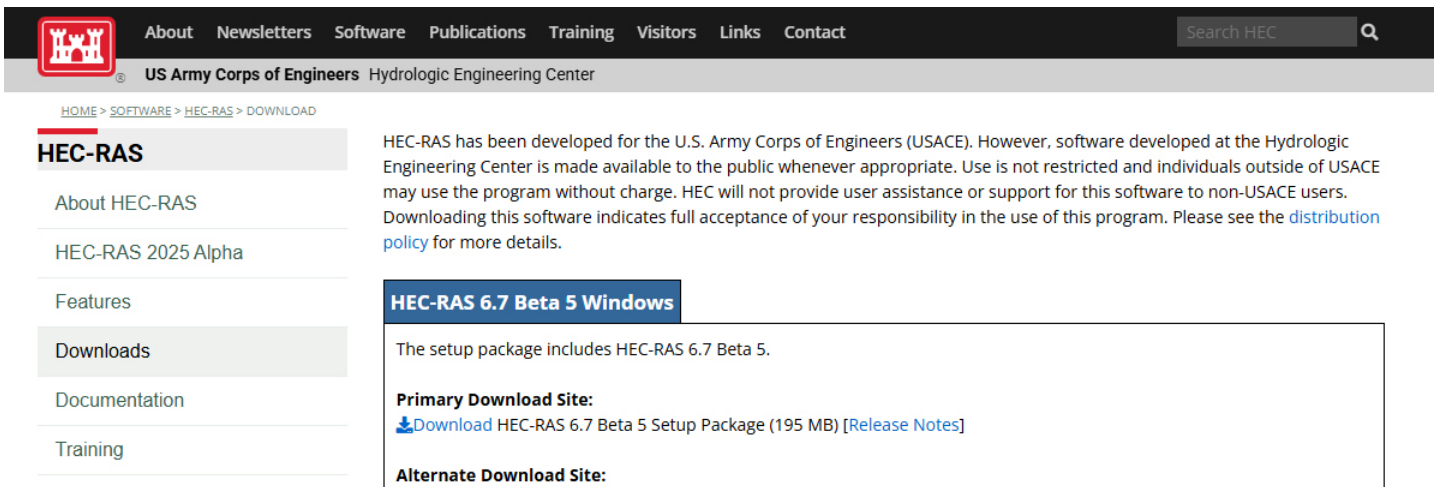
This is an interactive workshop in which participants should bring a laptop if possible. Details below:

A computer with the following specifications:

- **HEC-RAS 6.6**

You must download, install, and activate the software prior to the workshop. We will also have a copy available, but to install you will need to have administrative rights.

- **Download HEC-RAS 6.6 Setup Package (209 MB)**
- **https://www.hec.usace.army.mil/software/hec-ras/download.aspx**



Hands-on exercises and potentially other software will be installed during the workshops on your laptop. Please ensure you have such rights or know the administrator's log-in procedures.

- **Microsoft Windows 10 or 11 (64-bit)**
- **Microsoft .NET 4.5 framework**
- **Minimum physical memory: 4 GB**
- **Minimum free disk space: 16 GB**
- **Minimum screen resolution: 1600 x 900 pixels**

We strongly recommend a 15" or larger screen, with a resolution between 1600x900 pixels and 1920x1200 pixels and text size set to 100%. This will enable the exercise instructions and the software to be displayed on the screen side-by-side.

- **Microsoft Excel (usually part of Microsoft Office)**
- **Earbuds/headphones and audio jack (for additional help videos)**
- **A 2-button mouse with wheel (strongly recommended)**