

**MISSOURI SOCIETY OF PROFESSIONAL SURVEYORS**

# **NSPS Certified Floodplain Surveyor (CFS) Training and Certification Program**

**TUESDAY, APRIL 28-FRIDAY, MAY 1, 2026**

THE LODGE OF FOUR SEASONS  
315 FOUR SEASONS DRIVE  
LAKE OZARK, MISSOURI

## **SPEAKERS**

**John Chagnon, PE, CFS, LLS**  
**Senior Project Manager & Vice President, Haley Ward**  
**Portsmouth, NH**  
**[jchagnon@haleyward.com](mailto:jchagnon@haleyward.com)**

**Bart Crattie, LS, CFS, CFM**  
**Certified Floodplain Manager, The Flood Specialist**  
**Lookout Mountain, GA**  
**[thefloodspecialist@charter.net](mailto:thefloodspecialist@charter.net)**

The surveyor is well versed in measurement, property law, history, mathematics, and numerable topics related to surveying, mapping, and describing real property. A number of years ago, FEMA made the surveying community a “partner” in the National Flood Insurance Program. This program is designed to enable the surveyor to learn much that has always been within the discipline of floodplain management, thus filling that gap between land surveying and floodplain management. It is also intended to prepare participants to take the certification exam offered on the last day of the program. Attending this program and passing this exam allows participants to show that they have the particular expertise required to be recognized as a Certified Floodplain Surveyor and an authority in the field.

A tiny portion of items on FEMA forms require the skills and knowledge of the surveyor. The vast majority of the questions deal with items that are seldom included in surveying education. Title 44 of the Code of Federal Regulations is the legislative root for all FEMA and NFIP regulations. You will become well-versed in CFR 44 and flood insurance. Following Risk Rating 2.0, the surveyor’s role shifted in importance to the Pre-Construction Elevation Certificate. Upon completion of the course, one should be able to speak knowledgeably about the floodplain regulations and ordinances that will affect your client prior to construction. Also, following RR 2.0, you will be serving the public better if you know methods to sometimes reduce their flood insurance premiums. One should be able to submit for FEMA MT-1 (LOMR-F and LOMA) applications and know just what the reviewers are requiring and what other items you can include to make their jobs easier, hopefully speeding up the LOMC process. Upon becoming certified, you will know that you have taken an extra step to enhance your licensure, perhaps lower financial liability and boost your bottom line. Most importantly, you have taken an active step in protecting the safety, health, and welfare of the general public.

This certification program provides a comprehensive body of knowledge to the surveyor regarding their relationship with the National Flood Insurance Program. Surveyors play a crucial role in the entire NFIP system. To adequately perform the duties to fulfil NFIP requirements, a surveyor must expand his or her knowledge on their specialized aspect of the profession. Over an intense three-day period of instruction, the surveyor is exposed to the many flood issues, including the National Flood Insurance Program, Code of Federal Regulations Title 44, Flood Insurance Rate Maps, Letters of Map Change (LOMA, LOMR-F, LOMR), no rise certifications, and the Elevation Certificate. Following this Training, there is a four-hour exam administered to assess the surveyor's floodplain knowledge.

## **TRAINING DAY 1: TUESDAY, APRIL 28TH**

7:00-8:00 am

**BREAKFAST**

**8:00-12 noon**

### **NFIP Overview**

- FEMA and NFIP
- Regulation/Terms
- Definitions/Acronyms
- FIS/FIRMS
- Quiz

### **NFIP Regulations**

- Overview-44 CFR
- Part 60: Land Mgmt
- Part 65: ID & Mapping SFHA
- Part 70: Map Corrections

12:00-1:00 pm

**LUNCH**

**1:00-5:00 pm**

### **NFIP Regulations Cont.**

### **Potential Variations**

### **NFIP Insurance**

- Overview
- Risk Rating 2.0
- Quiz

### **Elevation Certificate**

- Purposes
- Section Breakdown
- Building Designs
- Common Errors
- Quiz

## **TRAINING DAY 2: WEDNESDAY, APRIL 29TH**

7:00-8:00 am

**BREAKFAST**

**8:00-12 noon**

### **LOMCs**

- Using a FIRM and its Components
- Letters of Map Change (LOMC)
  - ◊ Description
  - ◊ Policies
- LOMC Forms and Data Requirements
- LOMC Issuance and CFS Support and Renewal

12:00-1:00 pm

**LUNCH**

**1:00-5:00 pm**

### **Resources**

- Finding State Specific Regulations and Ordinances
- Resources Available through FEMA and other sources
- BFE in Zone A's (Unnumbered A-Zones) for LOMAs

### **Common LOMC Application**

### **Errors**

### **Quiz**

## **TRAINING DAY 3: THURSDAY, APRIL 30TH**

7:00-8:00 am

**BREAKFAST**

**8:00-12 noon**

### **Online LOMC and eLOMA**

- Online LOMC Requirements
- eLOMA Requirements

### **Surveying Technology**

- Print on Demand: FIS and FIRM
- DFIRM, LiDAR and Geodatabases

### **Review/Questions and**

### **Answers**

12:00-1:00 pm

**LUNCH**

**1:00-5:00 pm**

### **CFS Review**

## **TRAINING DAY 4: FRIDAY, MAY 1ST**

7:00-8:00 am

**BREAKFAST**

**8:00-12 noon**

### **Exam Testing**

\*NOTE: You will join the Spring Workshop participants for Breakfast and Lunch.

## REGISTRATION INFORMATION

**Registration Fees are \$600 for all MSPS Members, Non-Member Fee is \$750.**

This program provides participants with three days of instruction and a comprehensive set of printed reference materials. After breakfast on the fourth day, a four-hour exam will be administered, consisting of two parts with a total of 125 questions. The exam is very thorough and program participants are advised to independently review the materials that they receive. To pass the exam, Part One requires a 75% minimum score and Part Two requires 80%. Normal pass rates vary from 50%-68%. Please be aware that a hand-held calculator is required for portions of the certification exam. Scales will be provided.

## REGISTRATION DEADLINE

**Wednesday, April 15, 2026**

Please complete the registration form and send it to the Missouri Society of Professional Surveyors, 722 E. Capitol Avenue, Jefferson City, MO 65101, or email [mmps@missourisurveyor.org](mailto:mmps@missourisurveyor.org).

## CANCELLATION AND REFUND POLICY

MSPS reserves the right to cancel the program and return all fees in the event of insufficient registrations. **NO REFUNDS will be made after Wednesday, April 1, 2026, and a \$25 processing fee will be applied to all refunds prior April 15th.** Space is limited—call early to reserve your spot!

## CONTINUING EDUCATION

This training has been approved for 24 PDUs. All seminar participants will receive a certificate documenting attendance at the end of the seminar. Please complete the registration form with your legal name, address, and other contact information so that you will be properly identified on the certificate.

## LOCATION & LODGING

The Lodge of Four Seasons, 315 Four Seasons Drive, Lake Ozark, MO 65049, is the location for the DFS Training and Certification Program.. A block of rooms has been reserved in the main lodge at a rate of **\$142.00** per night (resort service fee inclusive). **The deadline for hotel reservations is Tuesday, April 7, 2026.** Call the hotel at 888-265-5500 or go online: [reservations.travelclick.com/17336?groupID=4650736](https://reservations.travelclick.com/17336?groupID=4650736) to make your hotel reservations.

## QUESTIONS

Phone: 573-635-9446 | [mmps@missourisurveyor.org](mailto:mmps@missourisurveyor.org)

## SPEAKERS

**John Chagnon, PE, CFS, LLS**, is Regional Manager and Vice President at Haley Ward, a full-service Surveying, Engineering, and Environmental services company. John has a Civil Technology Associates Degree from the Thompson School of Applied Science, UNH, and a Bachelors in Science, Civil Engineering, from UMass Lowell. John was an adjunct professor at the Thompson School of Applied Science, teaching the Legal Aspects of Land Surveying course. John has worked on the Seacoast of New Hampshire for 35 years and has been involved with Flood Hazard issues in his capacity as a Land Surveyor and Civil Engineer. Increasingly, site improvements, including single family home replacement, require attention to the local and national regulatory requirements for development in flood prone areas. John also serves with Mark on the NSPS Certified Floodplain Surveyors Committee, helping to develop programs to increase educational opportunities in floodplain issues for Land Surveyors.

**C. Barton (Bart) Crattie** has been working in surveying for 47 years. He holds licenses in Land Surveying in both Georgia and Tennessee. Crattie earned a Bachelor of Fine Arts degree in three-dimensional design from Murray State University – Murray, Kentucky. He has been certified as a Floodplain Manager (CFM) since 2008 through the Association of State Floodplain Managers, as well as being a Certified Floodplain Surveyor (CFS TN-003) through the Tennessee Association of Professional Surveyors. Crattie serves on the National Society of Professional Surveyors Certified Floodplain Surveyors Board of Directors. He served for nine years on the Surveyors Historical Society Board of Directors and was its Secretary for 15 years. His name appears on the masthead of American Surveyor magazine as a Contributing Writer. Crattie now earns his living strictly doing floodplain management services, teaching and consulting as The Flood Specialist.

# REGISTRATION

Name \_\_\_\_\_ RLS # \_\_\_\_\_

Firm \_\_\_\_\_

Address \_\_\_\_\_

City, State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

## REGISTRATION FEES

<b>MEMBER</b> ( <i>Missouri</i> )	<b>\$600</b>	<b>\$</b> _____
-----------------------------------	--------------	-----------------

<b>NON MEMBER</b>	<b>\$750</b>	<b>\$</b> _____
-------------------	--------------	-----------------

10% Surcharge After 4/1/26	<b>\$</b> _____
----------------------------	-----------------

**TOTAL \$** \_\_\_\_\_

The "Certified Floodplain Training" course has been approved for 28 PDU's with the Missouri Board for Architects, Professional Engineers, Professional Land Surveyors and Professional Landscape Architects.

## PAYMENT OPTIONS

☐ **CREDIT CARD** (Visa/MC/Disc/AmX) ☐ **CHECK** ☐ **INVOICE**

**CARD #** \_\_\_\_\_

**EXP DATE** \_\_\_\_\_ **CVV CODE** \_\_\_\_\_

MSPS, 722 E. Capitol Avenue, Jefferson City, MO 65101

Phone: 573-635-9446 | Fax: 573-635-7823 | [mmps@missourisurveyor.org](mailto:mmps@missourisurveyor.org) | [www.missourisurveyor.org](http://www.missourisurveyor.org)

**Online Registration:** <http://mmpsevents.com>

Return registration form and payment to MSPS before Wednesday, April 15, 2026.