

Agenda

Presented by Ronda Oberlin and Karol Grove

Understanding Floods, Floodplains and Floodplain Management

- Flood facts and figures
- Causes and types of floods
- Types of floodplains
- Understanding floodways
- Coastal floods and floodplains
- History and development of flood maps, flood insurance and flood plain management
- Role of the National Flood Insurance Program (NFIP)
- Role of state agencies and local municipalities

Obtaining and Interpreting Flood Maps

- Development of flood maps
 - Understanding FEMA flood zone designations
 - Examining Flood Insurance Rate Maps (FIRMs)
 - Digital flood map implementation policy
 - Flood map modernization
 - Multi-year flood hazard identification plan
- Reading and interpreting flood maps

Federal, State and Local Floodplain Regulation

- Reviewing NFIP regulations
- Understanding permit requirements
- Analyzing encroachments
- Constructing new buildings in A and V zones
- Complying with state regulations

Elevations in the NFIP

- The impact of elevations in the NFIP
- Sources of elevation
- The role of elevation certificates in the NFIP and related technical guidance
- Examining the impact of flood designating and mapping
- Reviewing FEMA flood hazard determinations
- Requesting flood hazard determination review
- Understanding Letters of Map Change (LOMC)

Examining Flood Insurance and Flood-Related Claims

- National Flood Insurance Program (NFIP)
 - NFIP public/private partnership
- Determining when insurance is required and when it is recommended
- Flood insurance coverage and exclusions
 - Residential and commercial coverage
- Understanding the claims process

**Floodplain Modeling,
Mapping and Regulation**
Livonia, MI - Tuesday, February 4, 2020



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Learning Objectives

You'll be able to:

Discuss the types and causes of flooding, the purpose of flood maps, and the role of the National Flood Insurance Program (NFIP).

Obtain and interpret flood maps.

Comply with federal, state and local regulations on floodplains , including regulations governing new buildings in A and V zones.

Explore the impact of elevations in the NFIP, including their role in FEMA flood hazard determinations.

Describe flood insurance coverage and exclusions, and determine when flood insurance is required and when it is recommended.



Floodplain Modeling, Mapping and Regulation

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Understand floods, floodplains and floodplain management

Identify federal, state and local floodplain regulations

Examine elevations in the National Flood Insurance Program

Learn about flood insurance and flood-related claims

Explore flood insurance rate maps and letters of map change

Discuss FEMA flood hazard determinations

Continuing Education Credits

Professional Engineers & Surveyors

6.5 Continuing Ed. Hours

Floodplain Managers

6.5 ASFPM CECs

Landscape Architects & Architects

6.5 HSW Continuing Ed. Hours

6.5 LA CES HSW PDHs

6.5 AIA LU|HSW



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Faculty

Ronda Oberlin, CFM CEM *Lansing Michigan Office of Emergency Management*
Ms. Oberlin is a certified floodplain manager (CFM) and a certified emergency manager (CEM). She has a B.A. degree in Communications and master’s degrees in Emergency Management and Distance Education. During her 18 years with the Lansing Michigan Office of Emergency Management, she has focused on natural hazard mitigation and on risk and crisis communication. Ms. Oberlin was the Michigan Stormwater Floodplain Association’s Floodplain Manager of the Year in 2013. In 2015 she was inducted into the International Women in Homeland Security and Emergency Management (InWEM) Hall of Fame.

Karol Grove, CFM, PS *Owner of Alpine Land Surveying Inc.*
Ms. Grove is a certified floodplain manager and a professional land surveyor, licensed in the State of Michigan since 1993. A graduate of Michigan Technological University she has been the owner of Alpine Land Surveying Inc. which is located in Hartland, Michigan, since 1995. Ms. Grove has served well over 20 years on the State of Michigan Society of Professional Surveyors (MSPS) Board, where she currently serves as director. She has been the chair of the MSPS State Seminar Committee for the past five years. She is also the past chair of the State of Michigan Licensing Board for Surveyors, where she served eight years on both the Surveyors and Engineers Licensing Boards. Active at the National Level, she is an emeritus member of the National Council of Examiners for Engineering and Surveying (NCEES), currently serving on the National Exam Committee for Professional Surveyors (EPS) and as a subject matter expert for the national surveyor’s exam. Ms. Grove has chaired the Future City Competition in Michigan for the past five years. She is also very active with the Hydroplane Boat Races every year, serving as co-chair for the past several years for the Gold Cup Races in Detroit, and as the current chair of the Quake on the Lake Races which raises money for the Make a Wish Foundation. For the past five years Ms. Grove has traveled throughout the United States, teaching on the topic of FEMA and flood zones and is currently considered a national expert on the issue.

Seminar Information

Livonia Marriott
17100 Laurel Park Drive
Livonia, MI 48152
(734) 462-3100

Tuition
\$289 for individual registration
\$269 for three or more registrations.

Included with your registration: Complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the self-study package. You may also send another person to take your place.

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 continuing education hours to professional engineers, 6.5 CECs to certified floodplain managers, and 6.5 HSW continuing education hours to landscape architects and architects in most states, including Michigan architects and engineers. Educators and courses are not subject to pre-approval in Michigan.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), North Carolina, and North Dakota. HalfMoon Education an approved Florida architect continuing education provider and is deemed an approved continuing education sponsor for New York engineers, architects and landscape architects.

The American Institute of Architects Continuing Education System (Sponsor No. 885) has approved this course for 6.5 LU|HSW. Visit www.halfmoonseminars.org for complete course AIA/CES continuing education information under this seminar listing.

Additional Learning

Webinar Series
Off-Grid Master Class

- **Part I**
Wed., Jan. 22, 2020, 11:00 AM - 2:15 PM CST
- **Part II**
Thurs., Jan. 23, 2020, 11:00 AM - 2:15 PM CST

- Aerial Mapping Technologies and Procedures**
- **Overview of Aerial Mapping Technologies and Platforms**
Thurs., Jan. 23, 2020, 11:00 AM - 12:30 PM CST
 - **Mapping Using UAS and Photogrammetry**
Thurs., Jan. 23, 2020, 1:00 - 3:00 PM CST
 - **Post Processing Software Applications and Photogrammetry Demonstration**
Fri., Jan. 24, 2020, 11:00 AM - 1:00 PM CST
 - **FAA Commercial UAS Regulations and FAA Part 107**
Fri., Jan. 24, 2020, 1:30 - 3:00 PM CST

For more information and other online learning opportunities visit:
www.halfmoonseminars.org/webinars/

The Landscape Architect Continuing Education System has approved this activity for 6.5 HSW PDHs.

The Association of State Floodplain Managers has approved this activity for 6.5 CECs.

This seminar offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any contractor licensing entity with a continuing education requirement.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Can’t Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!
Audio recordings of this seminar are available for purchase starting at \$269. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Registration

Floodplain Modeling, Mapping and Regulation
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How to Register		Registrant Information
Online: www.halfmoonseminars.org		Name: _____
		Company/Firm: _____
		Address: _____
		City:_____State: _____ Zip_____
		Occupation: _____
		Email: _____
		Phone: _____
		Additional Registrants:
		Name: _____
		Occupation: _____
		Email: _____
		Phone: _____
		Name: _____
		Occupation: _____
		Email: _____
		Phone: _____
		Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.
		() I need special accommodations. Please contact me.

Tuition

() **I will be attending the live seminar.** Single Registrant - **\$289.00**. Three or more registrants from the same company registering at the same time - **\$269.00** each.

() **I am not attending.** Please send me the self-study package:

☐ Downloadable MP3 Audio/PDF Manual for **\$269.00**.

☐ CD/Manual Package for **\$289.00**. ☐ USB/Manual Package **\$289.00**. (S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

Credit Card: *Mastercard, Visa, American Express, or Discover*

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