Learning Objectives

You’ll be able to:

- **Identify** floodplains and define the three basic types of flooding.
- **Explore** the development of flood zone designations and mapping.
- **Discuss** the impact of elevations in the National Flood Insurance Program (NFIP).
- **Understand** federal, state and local roles in regulating floodplain development.
- **Receive** practical guidance on preparing for resiliency and planning for future conditions.

**Mapping, Managing and Regulating Floodplains**

**Scranton, PA - Wednesday, October 25, 2017**

**Presented by Wendy Lathrop, PLS, CFM**

**Floods, Floodplains and Floodplain Management**
- Identifying floodplains
- Flood facts and terminology
- Flood hazards and flood risks
- Three basic types of flooding (and other ‘unique’ types)
- Floodplains, floodways, and coastal conditions: impact on development
- Why floodplain management matters
- Objectives and purpose of the National Flood Insurance Program (NFIP)
- Evolution of the NFIP and its components
- NFIP approaches to floodplain management

**Flood Maps and Flood Zones**
- Flood insurance rate map (FIRM) contents and development
  - Understanding flood zone designations
  - Approaches to mapping floodplains
  - Components of flood maps
  - Digital mapping
  - Map modernization and risk MAP
- Flood insurance study (FIS) Reports
- Impacts of flood zone designations and mapping
- Understanding, distinguishing between, and requesting letters of map change (LOMC)

**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

**Federal, State, and Local Floodplain Regulation**
- Federal NFIP regulations: where, what, and why
- Effects of regulations and legislation on building construction and improvement
- The role of lenders in the NFIP
- State and local roles in regulating floodplain development
- The role of advisory elevation and mapping data

**Practical Applications**
- Technical guidance and advisory documents
- Preparing for resiliency
- Planning for future conditions
- Practical applications exercise

**Continuing Education Credits**

- **Professional Engineers**
  - 6.5 PDHs
- **Land Surveyors**
  - 6.5 PDHs
- **Geologists**
  - 6.5 PDHs
- **Floodplain Managers**
  - 6.5 ASFPM CECs
- **Architects & Landscape Architects**
  - 6.5 HSW CE Hours
  - 6.5 AIA HSW Learning Units
  - 6.5 LA CES HSW PDHs
Wendy Lathrop, PLS, CFM — Cadastral Consulting, LLC

Ms. Lathrop is president and owner of Cadastral Consulting. She is licensed as a professional land surveyor in New Jersey, Pennsylvania, Delaware, and Maryland, and as a professional planner in New Jersey. She holds a Master’s degree in Environmental Policy, and has been involved in surveying since 1974 in projects ranging from construction to boundary to environmental land use disputes. Ms. Lathrop is also a certified floodplain manager through the Association of State Floodplain Managers (ASFPM). A former adjunct instructor at Mercer County College in New Jersey, Ms. Lathrop has also taught as part of the team for the licensing exam review course at Drexel University in Pennsylvania. She has been teaching seminars for surveyors since 1986 and has been writing articles for surveyors since 1983. She is a contributing editor for The American Surveyor magazine, and has four articles included in the American Bar Association’s text, Land Surveys: A Guide for Lawyers and Other Professionals. She and Stephen V. Estrop, PLS, PE. recently completed co-authored a book entitled Professional Surveyors and Real Property Descriptions: Composition, Construction, and Comprehension, published by John Wiley & Sons, Inc. Ms. Lathrop is a past president of the New Jersey Society of Professional Land Surveyors and of the National Society of Professional Surveyors, and she has served on the Board of Directors for the American Association for Geodetic Surveying.

Here’s what past attendees had to say about the program and presenter Wendy Lathrop:

“Very good information.” — Environmental engineer

“Great content and delivery.” — Land development professional

Seminar Information

Radisson Lackawanna Station Hotel
700 Lackawanna Avenue
Scranton, PA 18503
(570) 342-8300

Tuition
$279 for individual registration
$259 for three or more simultaneous registrations.

Each registration includes a complimentary continental breakfast and printed seminar manual.

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

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Mail-in or fax the attached form to 715-835-6066
Call customer service at 715-835-5900

Cancellation: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a $59 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the CD/manual 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 PDHs to professional engineers, land surveyors, and geologists and 6.5 HSW continuing education hours to architects and landscape architects in most states, including Pennsylvania. Courses and course providers are not subject to pre-approval in Pennsylvania. This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. I88S) and the Landscape Architecture Continuing Education System for 6.5 HSW PDHs. Only full attendance can be reported to the AIA/CES and the LA/CES. The Association of State Floodplain Managers has approved this event for 6.5 CECs for certified floodplain managers.

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.

October Webinar Series

Solar Photovoltaic Project Design and Development
- Solar Photovoltaic Project Design and Development, Part I
  Wed., Oct. 4, 2017, 11:00 AM - 2:15 PM PDT
- Solar Photovoltaic Project Design and Development, Part II
  Thurs., Oct. 5, 2017, 11:00 AM - 2:15 PM PDT

The Distributed Battery Webinar Series
- The Distributed Battery Webinar, Part I
  Wed., Oct. 11, 2017, 11:00 AM - 2:15 PM PDT
- The Distributed Battery Webinar, Part II
  Thurs., Oct. 12, 2017, 11:00 AM - 2:15 PM PDT

Designing Solar Roofs and Community Solar
- Design Your Solar Roof
  Wed., Oct. 18, 2017, 11:00 AM - 2:15 PM PDT
- Community Solar
  Thurs., Oct. 19, 2017, 11:00 AM - 2:15 PM PDT

For more information visit: www.halfmoonseminars.org/webinars/

Can’t Attend? Order the CD/Manual Package:
An audio recording of this seminar is available for $289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Tuition

- I will be attending the live seminar. Single Registrant $279.00. Three or more registrants from the same company registering at the same time $259.00 each.
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