

# Credit Information

**Floodplain Mapping, Regulation, and Insurance**

Professional Engineers: 6.0 PDHs (excluding New York)  
Landscape Architects: 6.0 HSW CE Hours  
LA CES: 6.0 HSW PDHs  
Land Surveyors: 6.0 PDHs (states not requiring preapproval)  
Florida Land Surveyors: 6.0 CE Credits (Course No. 10138)  
Missouri Land Surveyors: Pending  
Tennessee Land Surveyors: Pending  
No credit offered to DE, MO, NJ, NY and TN land surveyors

**The NEW 2021 Minimum Standards for ALTA/NSPS Land Title Surveys**

Professional Engineers: 3.0 PDHs (excluding New York)  
Land Surveyors 3.0 PDHs (states not requiring preapproval)  
Florida Land Surveyors: 3.0 CE Hours (Provider No. CE81 Course No. 10124)  
Missouri Land Surveyors: 3.0 PDUs  
Rhode Island Land Surveyors: Pending  
Tennessee Land Surveyors: Pending  
No credit offered to DE, NJ, and NY land surveyors

**Providing Floodplain Services**

Professional Engineers: 3.0 PDHs (excluding New York)  
Land Surveyors: 3.0 PDHs (states not requiring preapproval)  
Florida Land Surveyors: 3.0 CE Hours (Provider No. CE81, Course No. 10123)  
Missouri Land Surveyors: 3.0 PDUs Rhode Island Land Surveyors: Pending  
Tennessee Land Surveyors: Pending  
No credit offered to DE, NJ, and NY land surveyors

**Reading, Interpreting and Writing Land Descriptions Workshop**

Professional Engineers: 6.0 PDHs (excluding New York)  
Land Surveyors: 6.0 PDHs (states not requiring preapproval)  
Florida Land Surveyors: 6.0 CE Hours (Provider No. CE81, Course No. 10135)  
Missouri Land Surveyors: 6.0 PDUs  
Rhode Island Land Surveyors: Pending  
Tennessee Land Surveyors: Pending  
No credit offered to DE, NJ, and NY land surveyors

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), and North Carolina (S-0130).

HalfMoon Education is an approved continuing education sponsor for land surveyors licensed in Indiana (License No. CE21700059), Maryland, North Carolina (S-0130). These courses are not eligible for New York professional engineers or land surveyors.

Completion certificates will be awarded to participants who complete these events, respond to prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

July Land Webinars  
for Surveyors, Engineers, and  
Other Professionals

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U.S. POSTAGE PAID  
EAU CLAIRE, WI  
PERMIT NO. 2016

HalfMoon Education Inc.  
PO Box 278  
Altoona, WI 54720-0278



# July Land Webinars

**Floodplain Mapping, Regulation, and Insurance**

- Thursday, July 15, 2021 | 11:00 am - 2:15 pm CDT  
- Friday, July 16, 2021 | 11:00 am - 2:15 pm CDT

**The NEW 2021 Minimum Standards for ALTA/NSPS Land Title Surveys**

- Monday, July 19, 2021 | 9:00 am - 12:15 pm CDT

**Providing Floodplain Service**

- Wednesday, July 21, 2021 | 11:00 am - 2:30 pm CDT

**Reading, Interpreting and Writing Land Descriptions Workshops**

- Wednesday, July 21, 2021 | 11:00 am - 2:30 pm CDT

**Have questions or wish to register by phone?**

Give us a call at 715-835-5900 and press 1 for Customer Service.



HalfMoon Education Online Learning

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**Floodplain Mapping, Regulation, and Insurance**

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- Wednesday, July 21, 2021 | 11:00 am - 2:30 pm CDT

**Reading, Interpreting and Writing Land Descriptions Workshops**

- Wednesday, July 28, 2021 | 9:00 am - 4:00 pm CDT

To register visit us online at  
**www.halfmoonseminars.org**

or call our Customer Service Department at (715) 835-5900



# Floodplain Mapping, Regulation, and Insurance

Thursday, July 15, 2021 | 11:00 am - 2:15 pm CDT (incl. a 15 min. break)

Friday, July 16, 2021 | 11:00 am - 2:15 pm CDT (incl. a 15 min. break)

Tuition: \$289 per registrant, \$199 per registrant for three or more

Presented by Wendy Lathrop, PLS, CFM

President and Owner of Cadastral Consulting, LLC

## Day One: Flood Insurance Rate Maps, Flood Insurance Studies, and Letters of Map Change

- History and types of flood maps
  - Levels of detail
  - Flood zones
  - Flood mapping planning and needs
- Reading and interpreting flood maps
  - Map panel and index information
  - Map features
- Flood insurance studies
  - Purpose and contents
  - Floodway data table
  - Stream profiles
- Obtaining and using flood maps
- Map determinations
- Letters of Map Change
  - Introduction to and purpose of LOMCs
  - Letters of Map Amendment
  - Letters of Map Revision based on fill
  - Letters of Map Revision

# The NEW 2021 Minimum Standards for ALTA/NSPS Land Title Surveys

Monday, July 19, 2021 | 9:00 am - 12:15 pm CDT (incl. a 15 min. break)

Tuition: \$150 per registrant, \$119 per registrant for three or more

Presented by Gary Kent Schneider Geomatics in Indianapolis

- Purpose and development of ALTA/NSPS Land Title Survey
  - Elements of ALTA/NSPS Land Title Survey
- Ordering the survey
- Surveying standards and standards of care
  - Effective date
  - Other requirements and standards of practice
  - Normal standard of care
  - Boundary establishment
  - Measurement standards
- Records research
- Fieldwork
  - Monuments
  - Rights of way and access
  - Lines of possession and improvements along boundaries
  - Buildings
  - Easements and servitudes
  - Cemeteries
  - Water features
- Preparation of the plat/map of ALTA/NSPS Land Title Survey
  - Fieldwork
  - Boundary, description, dimensions, closures
  - Easements, servitudes, right's of way, access, documents
  - Presentation
- Certification
- Deliverables
- Table A
  - Preface
  - Items 1-19
  - Item 20

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## Day Two: National Flood Insurance Program and International Building Codes: Development Standards for Floodplains

- Types of floods and floodplains
- Introduction to FEMA's Floodplain Regulatory Staircase: 44CFR60.3
- Introduction to the International Building Code and relationship to FEMA regulations
- Key terms and concepts
  - Flood zones
  - Lowest floor
  - Basement
  - Utilities
  - Areas below the lowest floor
- Ways to elevate Floodways
- Base flood elevations, design flood elevations, and freeboard
- Flood zones that do not have flood elevations
- Substantial improvement and substantial damage
- Floodproofing
- Manufactured homes
- Recreational vehicles
- Historic structures
- Variances

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# Providing Floodplain Services

Wednesday, July 21, 2021 | 11:00 am - 2:30 pm CDT (incl. a 15 min. break)

Tuition: \$150 per registrant, \$119 per registrant for three or more

Presented by Wendy Lathrop, PLS, CFM

President & Owner of Cadastral Consulting, LLC

## Flood Zones and Water Surface Elevations in the NFIP - What They Are and Why They Matter

- General land use regulation and specific federal minimum standards
  - Local land use and emergency planning
- Insurance rating in the NFIP
  - Current and pending approaches
- Recognizing hazards and risks
  - How zones and elevations affect property owners

## Sources of Base Flood and other Water Surface Elevation information

- Why water surface elevations beyond Base Flood Elevation (BFE) matter
- FEMA sources of BFE and how to use them (and when to be wary)
  - Other possible non-FEMA sources of BFE
  - “Best available data”
  - BFE in Approximate A Zones
- Design Flood Elevations

## Using Elevation Data to Change Flood Zone Designations

- LOMAs and LOMR-Fs: distinctions between them, required data for each
  - The role of topography and the Elevation Certificate in flood zone changes
- Using FEMA's platforms to submit data for zone and other map changes

This course is designed to introduce details of flood map change applications to help participants succeed in those processes. This is NOT an introductory class for those who are completely unfamiliar with floodplains and the National Flood Insurance Program and is NOT a class to review completion of the Elevation Certificate. It does address use of the Elevation Certificate in floodplain regulation and map changes, and covers sources of elevation data and technical assistance to help complete and supplement that form for various purposes.

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# Reading, Interpreting and Writing Land Descriptions Workshops

Wednesday, July 28, 2021 | 9:00 am - 4:00 pm CDT (incl. a 15 min. break)

Tuition: \$289 per registrant, \$199 per registrant for three or more

Presented by Barry Savage, PLS

Survey Products Group Manager with Tennessee Valley Authority in Chattanooga, TN

## Understanding The Survey Process

- Research: Title research vs. boundary research
- Field work: Reconnaissance, measuring angles and distances, GPS
- Understanding what controls location
  - The importance of monuments and descriptions
  - The primary function of measurements in descriptions
  - Order of importance of conflicting elements

## Understanding Survey Drawings and Legal Descriptions

- North basis
- Understanding bearings and azimuths
- Title identity
- The importance of qualitative calls
- Closing the description
- Handling water boundary issues
- Precision vs. accuracy
- Handling special situations: arcs, chords, curves, etc.

## Writing Metes and Bounds and Strip Descriptions

- Easement basics
- Preparing strip descriptions for routes
- Do's and don'ts when writing descriptions
- Writing the qualitative portion first
- Including measurements with survey precision in mind
- Metes and bounds description workshop: writing two sample descriptions

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## Can't Attend?

## Order any of these Webinars as a Self-Study Package!

Recordings of each webinar are available for purchase. Visit us online 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. Self-study packages do not qualify for LA CES credit.

To register, view detailed presenter biographies, and see other learning opportunities, please visit:

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