

## Credit Information

### Improving Survey Services for Floodplains

This webinar is open to the public and is designed to qualify for 3.0 PDHs for professional engineers and land surveyors in most states that allow this learning method. Please refer to specific state rules to determine eligibility.

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 deemed an approved continuing education sponsor for New York engineers and land surveyors via its registration with the Practicing Institute of Engineering.

This webinar has been evaluated by the Practicing Institute of Engineering (PIE) for compliance with the NYS Mandatory Continuing Education Requirements and pre-approved for 3.0 PDHs for New York engineers and land surveyors.

HalfMoon Education is an approved continuing education sponsor for land surveyors licensed in Indiana (License No. CE10600325), Maryland, and North Carolina (S-0130).

This course has been registered with the Florida Board of Professional Surveyors and Mappers for 3.0 CE credits.

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

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HalfMoon Education is an approved continuing education sponsor for land surveyors licensed in Indiana (License No. CE10600325), Maryland, and North Carolina (S-0130). This course has been registered with the Florida Board of Professional Surveyors and Mappers (#10124) and has been submitted to the Missouri Board for Architects, Professional Engineers, Professional Land Surveyors and Professional Landscape Architects for pre-approval, which is currently pending.

This webinar has been evaluated by the Practicing Institute of Engineering (PIE) for compliance with the NYS Mandatory Continuing Education Requirements and has been pre-approved for 3.0 PDHs for New York engineers and land surveyors.

### Using the U.S. Public Land Survey System

This webinar is open to the public and is designed to qualify for 4.0 PDHs for professional engineers and land surveyors in most states that allow this learning method. Please refer to specific state rules to determine eligibility.

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HalfMoon Education is an approved continuing education sponsor for land surveyors licensed in Indiana (License No. CE10600325), Maryland, and North Carolina (S-0130). This course has been registered with the Florida Board of Professional Surveyors and Mappers (#10124), approved by the Tennessee Board of Examiners for Land Surveyors, and has been submitted to the Missouri Board for Architects, Professional Engineers, Professional Land Surveyors and Professional Landscape Architects for pre-approval, which is currently pending.

This webinar has been evaluated by the Practicing Institute of Engineering (PIE) for compliance with the NYS Mandatory Continuing Education Requirements and has been pre-approved for 4.0 PDHs for New York engineers and land surveyors.

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## July Land Webinars

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## Live, Interactive Webinars

### Improving Survey Services for Floodplains

- Wednesday, July 12, 2023 | 11:00 am - 2:15 pm CDT

### The 2021 Minimum Standards for ALTA/NSPS Land Title Survey

- Thursday, July 20, 2023 | 9:00 am - 12:15 pm CDT

### Using the U.S. Public Land Survey System

- Thursday, July 27, 2023 | 9:00 am - 1:30 pm CDT

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

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## HalfMoon Education Live Webinars July Land Webinars



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Practicing Institute of Engineering: 3.0 PDHs

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Practicing Institute of Engineering: 3.0 PDHs

### Using the U.S. Public Land Survey System

Thursday, July 27, 2023 | 9:00 am - 1:30 pm CDT

Credits: Professional Engineers: 3.0 PDHs Land Surveyors: 3.0 PDHs  
Practicing Institute of Engineering: 4.0 PDHs

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



# Improving Survey Services for Floodplains

Wednesday, July 12, 2023 | 11:00 am - 2:15 pm CDT (incl. a 15-min break)

Tuition: \$159 per registrant

Credits: Professional Engineers: 3.0 PDHs Land Surveyors: 3.0 PDHs  
Practicing Institute of Engineering: 3.0 PDHs

## Agenda

### 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
  - Recent changes in methodology and their effects
- 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

## Presented by Wendy Lathrop, PLS, CFM, CFS

President and Owner of Cadastral Consulting, LLC

Ms. Lathrop 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 Flood Plain Managers (ASFPM) and a Certified Floodplain Surveyor through the New Jersey Society of Professional Land Surveyors. A former adjunct instructor at Mercer County College in New Jersey, she has also taught as part of the team for the licensing exam review course at Drexel University in Pennsylvania. Ms. Lathrop 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 she has four articles included in the American Bar Association's text, *Land Surveys: A Guide for Lawyers and Other Professionals*. She and Stephen V. Estopinal, PLS, PE co-authored a book entitled *Professional Surveyors and Real Property Descriptions: Composition, Construction, and Comprehension*, published by John Wiley & Sons, Inc. in 2011. She is also on the faculty of GeoLearn, a web-based educational provider. 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.

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

Thursday, July 20, 2023 | 9:00 am - 12:15 pm CDT (incl. a 15-min break)

Tuition: \$159 per registrant

Credits: Professional Engineers: 3.0 PDHs Land Surveyors: 3.0 PDHs  
Practicing Institute of Engineering: 3.0 PDHs

## Agenda

### Purpose of and Standards for ALTA/NSPS Land Title Surveys, Part 1

- 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
  - Normal standards of care
  - Measurement standards
  - Other requirements and standards of practice
  - Boundary establishment
- Records research
- Fieldwork
  - Monuments
  - Rights of way and access

### Purpose of and Standards for ALTA/NSPS Land Title Surveys, Part 2

- Fieldwork (continued)
  - Lines of possession and improvements along boundaries
  - Buildings
  - Cemeteries
  - Easements and servitudes
  - 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
  - Preface
  - Item 20
  - Items 1-19

## Presented by Gary Kent Meridian Land Consulting, LLC

Mr. Kent is in his 40th year with Schneider Geomatics in Indianapolis - having transitioned to part-time status in 2020. He also provides training, consulting and expert witness services as manager and owner of Meridian Land Consulting, LLC. He served as chair of the Joint ALTA/NSPS Committee responsible for the ALTA/NSPS Land Title Survey standards from 1995 to 2021. He has also served on the Indiana State Board of Registration for Professional Surveyors since 2004 and is a past-president of both ACSM and the Indiana Society of Professional Land Surveyors. Mr. Kent has presented programs on boundary law, easements and rights of way, surveying standards and practice, and leadership multiple times in all 50 states.

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# Using the U.S. Public Land Survey System

Thursday, July 27, 2023 | 9:00 am - 1:30 pm CDT (incl. two 15-min breaks)

Tuition: \$209 per registrant

Credits: Professional Engineers: 4.0 PDHs Land Surveyors: 4.0 PDHs  
Practicing Institute of Engineering: 4.0 PDHs

## Agenda

### Metes and Bounds and What Came Before the US Public Land Survey System (PLSS)

- Basic land description concepts: distances, directions, circular curves, mathematical closure, state plane coordinates
- Reading a metes and bounds description
- Drawbacks of metes and bounds system
- Development of PLSS, advantages and disadvantages

### Basics of the U.S. Public Land Survey System (PLSS)

- Principal meridians and baselines
- The township: the basic building block of the PLSS
- Ranges and sections
- Numbering sections
- Irregular sections and aliquot parts

### Describing and Locating Lands in the PLSS

- Conventional parcels
- “Part of” descriptions
- Reading a PLSS description
- Writing a description
- Drawing a description
  - Software/websites for mapping, drawing and locating described lands

## Presented by Barry Savage PLS

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

Prior to his service at TVA, Mr. Savage was in private survey practice for 10 years specializing in dispute resolution and expert witness services. He has surveyed several disputed state boundaries to resolve jurisdictional conflicts. Mr. Savage is an adjunct professor at Cleveland State Community College where he teaches courses in boundary law, geodesy, GIS, and surveying fundamentals. He has researched and retraced the historical surveys of Henry David Thoreau and has published several articles on the subject. Mr. Savage teaches exam review and continuing education seminars at various state and local conferences across the country.

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