

Faculty

Tracking the Railroads & Working with Old Deeds and Descriptions

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 boundaries 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.

From 1620 to 2024: Metes and Bounds Land Description Workshop

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.

Practical GNSS Surveying

Dr. Thomas H. Meyer *University of Connecticut*

Dr. Meyer is a professor in the Department of Natural Resources and the Environment at UConn's College of Agriculture, Health and Natural Resources (CAHNR). He is a member of the American Society of Civil Engineers and the American Society for Photogrammetry and Remote Sensing, and he is a fellow and past president (2016, 2019) of the American Association for Geodetic Surveying. Dr. Meyer is a past president (2006-2007) of the Geomatics Society of New England (previously known as the New England Section ACSM) and a member of the editorial boards of the *Journal of Surveying Engineering and Surveying and Land Information Science*. Dr. Meyer earned his Ph.D. degree from Texas A&M University (College Station, 1998) where he was a research associate in the Mapping Sciences Laboratory. He was named a UConn Teaching Fellow (2015), and he has taught geomatics courses at the graduate and undergraduate levels in geodesy, geographic information science, digital terrain modeling, spatial statistics, and global navigation satellite system surveying. Dr. Meyer has authored an undergraduate-level geodesy textbook and numerous peer-reviewed papers about surveying and mapping, and he teaches professional education seminars for surveyors throughout New England and the United States.

March Land Webinars

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Live, Interactive Webinars

Tracking the Railroads

- Thursday, March 7, 2024 | 11:00 am - 3:30 pm CST

Working with Old Deeds and Descriptions

- Monday, March 11, 2024 | 12:00 - 3:15 pm CDT

From 1620 to 2024: Metes and Bounds Land Description Workshop

- Wednesday, February 21, 2024 | 9:00 am - 4:05 pm CST

Practical GNSS Surveying

- Tuesday, March 26, 2024 | 9:30 am - 5:00 pm CDT

To register, please visit:

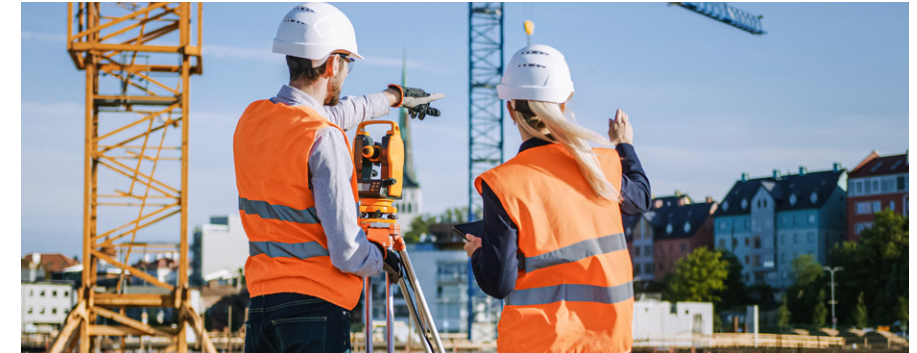
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March Land Webinars



Tracking the Railroads

Thursday, March 7, 2024 | 11:00 am - 3:30 pm CST

Credits: Land Surveyors: 4.0 PDHs | Professional Engineers: 4.0 PDHs
Practicing Institute of Engineering (PIE): 4.0 PDHs

Working with Old Deeds and Descriptions

Monday, March 11, 2024 | 12:00 - 3:15 pm CDT

Credits: Land Surveyors: 3.0 PDHs | Professional Engineers: 3.0 PDHs
Practicing Institute of Engineering (PIE): Pending

From 1620 to 2024: Metes and Bounds Land Description Workshop

Friday, March 15, 2024 | 9:00 am - 4:00 pm CDT

Credits: Land Surveyors: 6.0 PDHs* | Professional Engineers: 6.0 PDHs*

Practical GNSS Surveying

Tuesday, March 26, 2024 | 9:30 am - 5:00 pm CDT

Credits: Land Surveyors: 6.5 PDHs* | Professional Engineers: 6.5 PDHs*

*No credit for NY engineers or surveyors



Tracking the Railroads

Thursday, March 7, 2024 | 11:00 am - 3:30 pm CST

Tuition: \$209 per registrant

Credits: Land Surveyors: 4.0 PDHs | Professional Engineers: 4.0 PDHs
Practicing Institute of Engineering (PIE): 4.0 PDHs

Agenda:

What is a “Railroad” by Law? (and why does it matter?)

- Highway or utility – public rights and railroad responsibilities
- The effects of railroads on development of the US
- The evolution of the regulatory framework affecting railroads in the US

Railroad Records and Regulation

- Finding information about physical, legal, and historical railroad aspects
- The birth of Rails to Trails Railroad abandonment
- What “abandonment” means, physically and legally
- The process for abandonment

Examining the Extent, Type, Location and Time/Duration of Railroad Rights

- Deciphering if railroads acquired ownership or easement or other rights
- The extent of railroad rights, and significance to landowners and railroads
- Shared uses of the railroad corridor
- Decisions relating to Rails to Trails conversions

Presented by

Wendy Lathrop, PLS, CFM, CFS *President and Owner of Cadastral Consulting, LLC*
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Working with Old Deeds and Descriptions

Monday, March 11, 2024 | 12:00 - 3:15 pm CDT

Tuition: \$159 per registrant

Credits: Land Surveyors: 3.0 PDHs | Professional Engineers: 3.0 PDHs
Practicing Institute of Engineering (PIE): Pending

Agenda:

- Determining what interest was conveyed, and why it matters
 - Brief overview of methods of conveyancing
 - Some factors to weigh
- Recognizing historical context for measurements
 - Equipment of the era Local practices
 - Does it matter if the deed doesn't “close”?
- Finding information about abutting landowners
- Overlaps and gaps
- When we can apply the Hierarchy of Evidence, and when we shouldn't
- When lines of possession don't match deed lines
- The Surveyor's Report – what it is and why prepare one

Presented by

Wendy Lathrop, PLS, CFM, CFS *President and Owner of Cadastral Consulting, LLC*
24 SWOLDEED 3 11 WEBR CP

From 1620 to 2024: Metes and Bounds Land Description Workshop

Friday, March 15, 2024 | 9:00 am - 4:00 pm CDT

Tuition: \$319 per registrant, \$289 for two or more registrants at the same time

Credits: Land Surveyors: 6.0 PDHs* | Professional Engineers: 6.0 PDHs*

Agenda:

Working with Metes and Bounds Descriptions

- History of land descriptions in the U.S.
- Basic land description concepts:
 - Terminology Bearings
 - Distances Circular curves
 - Mathematical closure State plane coordinates
- Monuments, natural and artificial boundaries

Reading, Interpreting and Locating Land Described with Metes and Bounds

- Finding the described land on a map
- Finding the described land on the ground

Metes and Bounds Workshop: Writing, Drawing and Locating Descriptions

- Writing a description Drawing a description
- Software for mapping, drawing and locating described lands

Handling Special Issues in Metes and Bounds Descriptions

- “Part of” descriptions Exceptions and reservations
- Water boundaries Easements and other access rights
- Hybrid descriptions

Presented by Barry Savage, PLS

Survey Products Group Manager with Tennessee Valley Authority in Chattanooga, TN
24 USMABLDW 3 15 WEBR PW

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Practical GNSS Surveying

Tuesday, March 26, 2024 | 9:30 am - 5:00 pm CDT

Tuition: \$319 per registrant, \$289 for two or more registrants at the same time

Credits: Land Surveyors: 6.5 PDHs* | Professional Engineers: 6.5 PDHs*

Agenda:

Development of Global Navigation Satellite System (GNSS) Surveying

- Development of GNSS technology Application to surveying
- Benefits and drawbacks

GNSS Fundamentals and Real Time Kinematic (RTK) Methods

- Understanding GNSS science
- Mechanics of GNSS data collection and processing

GNSS Surveying Methods and Best Practices

- GNSS satellites
- Data collection process
- Accuracy versus precision
 - Redundancy Multipath
 - Position dilution of precision (PDOP)
- Root-mean square (RMS) Site localizations/calibrations
- Latency Signal-to-noise ratio
- Float and fixed solutions Elevation mask
- Geoid model Understanding errors

Using GNSS Data Successfully

- Applying datum transformations Improving field practices
- Using Online Positioning User Service (OPUS)
- Managing data

GNSS Surveying Case Studies

Presented by Thomas H. Meyer, Ph.D.

Professor in the Department of Natural Resources and the Environment at UConn's College of Agriculture, Health and Natural Resources (CAHNR)

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*No credit for NY engineers or surveyors