



An Environmental Crossroads: Navigating Our Ever-Changing Regulatory Landscape

**National Association of Environmental
Professionals Annual Conference**

**March 27-30, 2017
Durham, North Carolina**

ADVANCE PROGRAM



NAEP 2017 Annual Conference, Durham, NC!

NAEP and NCAEP look forward to welcoming you to the vibrant exciting city of Durham and the Research Triangle. Conveniently located less than 15 miles from the Raleigh-Durham International Airport, the city is experiencing a revitalization in its postindustrial phase and creating a new identity based on its distinct districts and neighborhoods that offer nationally recognized restaurants and note-worthy attractions.

The downtown area boasts an amazing array of restaurants, bars, breweries, galleries, retail and other options – many of which are within a short walking distance of the Durham Marriott City Center Hotel, the NAEP host hotel.

If walking is not part of your plan, the Bull City Connector is a fare-free bus which makes stops throughout the downtown area.

Durham is rich with culture – from native Piedmont blues music to turn-of-the century tobacco warehouses that have been transformed into offices, retail and dining. The Bull City offers new arts and entertainment nightly. Truly, there is something for everyone.

Several blocks to the west and accessible via the free **Bull City Connector** is **Duke University**, consistently ranked one of the best universities in the world. The Chapel has re-opened after a year-long renovation which included repairs and renovation to ensure that the Chapel retains the look and feel of its more than 80 year life. The Sarah P. Duke Gardens offer quiet spaces to explore and enjoy the outdoors. The Nasher Museum of Art is a world-class facility featuring both traveling exhibitions as well as an impressive permanent collection.

Another Duke attraction, the Duke Lemur Center is the world's largest and most diverse collection of lemurs – earth's most threatened group of mammals – outside of Madagascar. The Duke Lemur Center advances science, scholarship, and biological conservation through interdisciplinary research, community-based conservation and public outreach. Tours are offered daily and advance registration is required. And if you're interested in animals, the Durham Museum of Life and Science offers an array of indoor and outdoor learning opportunities.

There is truly something for everyone in the Bull City and the greater Triangle region. We look forward to hosting you in this renaissance city and showing you some southern hospitality!

For more on Durham, NC, visit <http://durhamnc.gov/>.

We look forward to seeing you in March!

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Many sponsors and exhibitors are pending and will be listed in the Final Program.

Consider having your company become an exhibitor or sponsor. Check out the opportunities on the website (<http://www.naep.org>) or on pages 25-30 of this program. Contact Ann Mitchell at amitchell@ahint.com, call 856-793-0782, if you have any questions.

Keynote Speaker, Tuesday, March 28, 2017



Edward Ted Boling, Associate Director for National Environmental Policy Act, Council on Environmental Quality

Edward (Ted) Boling is the Associate Director for National Environmental Policy Act at the Council on Environmental Quality (CEQ), a position he assumed in January of 2016 after upon his return to CEQ after five years at the Department of the Interior. Ted served as Deputy Solicitor for Parks & Wildlife at the U.S. Department of the Interior, where he supervised the work of the Solicitor's Office in support of programs of the National Park Service and the U.S. Fish and Wildlife Service. Ted joined the Department in August of 2010, as Counselor to the Assistant Secretary for Land and Minerals Management where he focused on land management planning and renewable energy development, and was Deputy Solicitor for Land Resources from April of 2011 to July of 2013. Before Interior, Ted served ten years at CEQ as Deputy General Counsel beginning in August of 2000, General Counsel beginning in January of 2008, and Senior Counsel from September of 2009.

Ted went to CEQ from the Environment and Natural Resources Division of the U.S. Department of Justice, where he was a senior trial attorney. Ted joined the Department of Justice in 1990 through the Attorney General's Honor Program. At the Department of Justice he was a trial attorney in three Sections of the Division: Law and Policy, Wildlife and Marine Resources, and Natural Resources. He also served as a Special Assistant U.S. Attorney in the criminal prosecution program of the Eastern District of Virginia. His trial and appellate litigation experience concentrated on cases involving NEPA, Endangered Species Act, Clean Water Act, and Federal land management statutes. Ted also worked for a year at the Department of the Interior as Counselor to the Assistant Secretary for Fish and Wildlife and Parks.

Ted is a member of the bar of the U.S. Supreme Court, the U.S. Court of Appeals for the Sixth, Ninth and Tenth Circuits, and the Virginia State Bar. He has served on the Board of the Virginia State Bar Association's Environmental Law Section, which he chaired in 2000-01.

Opening and Welcome, Tuesday, March 28, 2017

Tim Profeta, Duke University



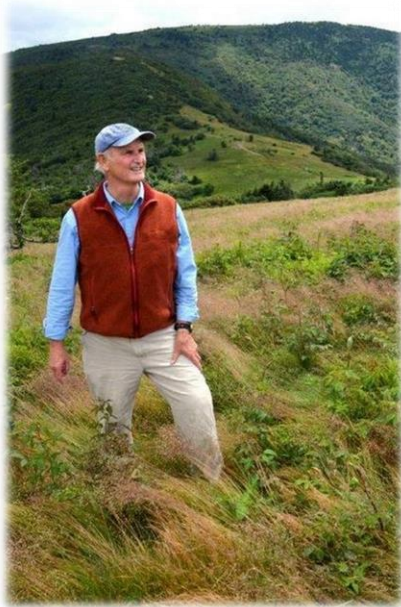
Tim Profeta is the director of Duke University's Nicholas Institute for Environmental Policy Solutions. Since 2005, the Nicholas Institute has grown into a major nonpartisan player in key environmental debates, serving both the public and private sectors with sound understanding of complex environmental issues.

Profeta's areas of expertise include climate change and energy policy, the Clean Air Act, and adaptive use of current environmental laws to address evolving environmental challenges. His work at the Nicholas Institute has included numerous legislative and executive branch proposals to mitigate climate change, including providing Congressional testimony several times on his work at Duke University, developing multiple legislative proposals for cost containment and economic efficiency in greenhouse gas mitigation programs, and facilitating climate and energy policy design processes for several U.S. states.

Prior to his arrival at Duke, Profeta served as counsel for the environment to Sen. Joseph Lieberman. As Lieberman's counsel, he was a principal architect of the Lieberman-McCain Climate Stewardship Act of 2003. He also represented Lieberman in legislative negotiations pertaining to environmental and energy issues, as well as coordinating the senator's energy and environmental portfolio during his runs for national office. Profeta has continued to build on his Washington experience to engage in the most pertinent debates surrounding climate change and energy.

Profeta earned a JD, *magna cum laude*, and MEM in resource ecology from Duke in 1997 and a BA in political science from Yale University in 1992.

Tom Earnhardt



Tom Earnhardt is a graduate of Davidson College and UNC School of Law. Working with Attorney General Robert Morgan, Tom was one of the first attorneys to work for North Carolina in the "new" area of environmental law in 1971. In Governor James Holshouser's administration he worked to protect the New River and to purchase much of the land that is now part of Cape Lookout National Seashore. Earnhardt also worked in the corporate arena and in private practice. In addition, Tom had over 20 years in the classroom and retired as a full professor. At North Carolina Central University School of Law he taught Property, Business Associations and Environmental Law.

In Earnhardt's "other life" he has been, and continues to be, an avid naturalist and advocate for the natural and cultural resources of North Carolina. Tom is a keen observer and photographer of wild things and places. His conservation-related travel and speaking engagements have taken him across North America, the British Isles, Europe, and Asia--including Russia and China. In North Carolina, Tom has been a keynote speaker at many environmental, regulatory, civic, state park, and science organizations over the years. Over the past 14 years, Tom has crisscrossed North Carolina researching, writing and co-producing over 80 episodes of the natural science television series, ***Exploring North Carolina***. Earnhardt also completed a natural history of North Carolina for the University of North Carolina Press titled ***Crossroads of the Natural World***.

Tom has served on the boards of major preservation and conservation organizations including among others: The Nature Conservancy (state), Trout Unlimited (national), North Carolina Wildlife Federation (state), He was recently appointed to the Executive Committee of the North Carolina Literary and Historical Society. Earnhardt has received numerous awards for his work with cultural and natural resources, including the Governor's Award as "North Carolina Conservationist of the Year" in 1994. In 2004, he received Audubon's prestigious "Honorary Warden Award" for protection and preservation of bird habitats and sanctuaries. For Earnhardt's work with the North Carolina Museum of Natural Sciences and for championing natural resources, he received the "Order of the Longleaf Pine" in 2011.

President's Dinner, Tuesday, March 28, 2017

Join NAEP President Brock Hoegh and conference attendees for an evening event which is sure to tickle your taste buds and get your toes tapping! Get a real taste of North Carolina with some authentic local BBQ and bluegrass music. Casual attire is encouraged so bring along your jeans and boots.

At this event you will be treated to a menu filled with authentic North Carolina smoked "whole hog", shrimp and grits, Carolina slaw, and cornbread. For those of you needing a vegetarian alternative, we will also have a hearty Vegetarian Brunswick Stew and other delightful foods for you to taste.

While you eat, listen to Durham's own Counterclockwise String Band – one of the most dynamic young bluegrass groups to come out of the Triangle. Bridging the traditional and the progressive, Counterclockwise String Band puts forth a style of bluegrass that is both compellingly new and refreshingly familiar. Energetic, creative and genuine, the central-North Carolina five-piece has quickly become a local favorite, molding unique interpretations of time-tested songs and long forgotten melodies while never forgetting the musical traditions of ages past.

A ticket to this evening event is included with each full conference registration. Tickets are available for one-day registrants and guests and can be purchased on-line before the conference or on-site in Durham prior to noon on March 28.

We look forward to seeing you all at this fun Tuesday evening event.



APA/AICP Certification Maintenance

As in past years, NAEP will be applying for, and anticipate receiving, approval from APA for the entire conference for CM credits. This includes the training on Monday and the sessions Tuesday through Thursday. Many APA members use the conference to fulfill their CM requirements.

NAEP 2017 Conference Workshops and Training Monday, March 27

This year NAEP is offering two full day training options and four half day training options.

Full Day Training Sessions (8 AM to 5 PM): For those wishing to take a full day of training, options include

- **NEPA – Basics Workshop [Description 1 below]**
- **Air Quality Training** [Descriptions 2 and 4 below offered together as one discounted price]

Pick one of these options and we will provide your lunch.

Half Day Training Sessions: For those wishing to only take a 4 hour training session, there are four options to choose from:

Morning (8 AM to noon):

- **Air Quality: Regulations Overview** [Description 2 below]
- **Methods for Incorporating Ecosystem Services into Decision-Making** [Description 3 below]

Afternoon (1-5 PM):

- **Air Quality: Best Practices for Managing Greenhouse Gas (GHG) and Energy Challenges** [Description 4 below]
- **Incorporating Wildlife Habitat Conservation in Local Government Land Use Planning and Ordinances: Reducing Environmental Impacts Ahead of Permitting** [Description 5 below]

Note - Half day sessions do not include lunch.

**please note registration form on page 24 for training session rates.*

1. NEPA Basics Workshop

CEU approved, sign up for a certificate at Registration.

This workshop will cover National Environmental Policy Act (NEPA) basics, including policies, procedures, and environmental documents necessary for successful compliance. It is primarily designed for new and midlevel NEPA practitioners and will inform agency staff, consultants, regulators, applicants, and other interested professionals about best NEPA practices.

NEPA is a far-reaching law that applies to virtually all U.S. federal agencies and most activities that affect the environment. Many state, local, and private undertakings must be evaluated pursuant to NEPA if they receive federal funding, require federal permits, or would take place on federal land.

The key to successfully implementing NEPA is attaining a working knowledge of the regulations, legal interpretations, and typical federal agency practices. This workshop will cover all of these aspects of NEPA.

Workshop topics include:

- NEPA's legal and regulatory framework

- Determining whether NEPA applies to a proposed action
- Key steps in the NEPA environmental review process
- Determining which type of NEPA document to prepare
- Scoping for NEPA analyses
- Successful integration of NEPA with other environmental laws
- Direct, indirect, and cumulative impact analysis
- Determining significance of impacts
- Developing and evaluating a reasonable range of alternatives
- Writing adequate and feasible mitigation measures
- Legal adequacy of NEPA documents and NEPA case law

Instructors will include: Michael D. Smith, ENERCON, Ronald E. Lamb, CEP, CEQ and Ted Boling, Council on Environmental Quality

Michael D. Smith, ENERCON

Michael is a Principal with ENERCON in Oakland, an architectural engineering, environmental, technical and management services firm providing a broad range of professional services to private, public, and government sector clients throughout the United States and internationally. His current work focuses on providing project and program management, technical analysis and review, policy development and review, and training and education focused on NEPA and California Environmental Quality Act (CEQA) compliance for some of the nation's and California's most complex and controversial projects relating to energy development, transportation infrastructure projects, approvals of genetically engineered plants, commercial space transportation operations, and rulemakings for national motor vehicle fuel economy standards. He frequently provides training and strategic advice for NEPA and related environmental compliance requirements as an adjunct faculty member at numerous educational institutions, including the UC Davis Extension Land Use and Natural Resources Program, the UCLA Extension Sustainability Program, and the NEPA Certificate Program at the Quinney College of Natural Resources at Utah State University. He has served as a Science & Technology Policy Fellow with the American Association for the Advancement of Science (AAAS) at the EPA headquarters Office of Water and Office of Federal Activities in Washington, DC. He has also held positions with the U.S. Department of Interior – National Park Service in Biscayne, Glacier and Yosemite National Parks. He holds a Ph.D. in Environmental and Natural Resources Sociology from Utah State University, a M.A. in Geography and Resources from the University of Wyoming, and a B.A. in Environmental Studies from the University of California, Santa Cruz.

Ronald E. Lamb, CEP, CEQ

Deputy Associate Director for NEPA, CEQ. Ron supports the CEQ NEPA Team on the transition, reviewing agency revised NEPA procedures, NEPA training/education, and other duties as assigned. Ron is on detail from Headquarters, U.S. Marine Corps (HQMC) where he is responsible for NEPA program management and policy, document review and compliance, and NEPA training/education. He has also served as Acting Section Head, Facilities Planning and Conservation for HQMC, and as Acting Director for Environmental Planning and Terrestrial Ecology in the Office of the Deputy Assistant Secretary of the Navy-Environment. Ron was previously a Vice President at the HDR|e2M where he oversaw the NEPA business line. He holds an M.S. in Environmental Science from Johns Hopkins University, an M.A. in Political Science/International Economics from the University of Nebraska, and a B.A. in Political Science from the University of Nebraska.

Edward Ted Boling, Council on Environmental Quality

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2. Air Quality: Regulations Overview (Morning Training Session)

Air quality regulations and their enforcement continue to grow in complexity. Regulated sites often face numerous compliance touch points resulting from a web of state and federal permitting and emission control regulations. This workshop is designed for environmental professionals, managers, operations personnel and others who are seeking a concise introduction to air quality regulations, permitting, and best compliance practices. This session, taught by a 25-year air quality veteran, will distill complicated topics into logical, easy-to-follow lessons. Attendees will be equipped with a strong foundation for their future work in air quality compliance. Topics to be covered include:

- Air Quality Regulation Principles and Definitions
- Regulated Pollutants
- Emissions Quantification
- Air Quality Permitting
- New Source Performance Standards
- National Emission Standards for Hazardous Air Pollutants
- Title V Operating Permits
- Compliance Management Strategies

Instructor: Robert Liles, *Trinity Consultants Southwest Region*

Robert has more than 25 years of experience in the air quality field, including state and federal air quality permitting, environmental data management system development, compliance audits, policy development, compliance planning, ambient monitoring, air dispersion modeling, emissions inventories, control technology reviews, litigation support, and air toxics evaluations. His primary regional responsibilities include Colorado, New Mexico, Wyoming, Texas, and Oklahoma where he is responsible for managing project work, teaching regulatory courses, and contributing to stakeholder processes. He presently manages consulting operations for Trinity's Southwest Region.

In addition to consulting experience, Robert has more than 20 years of experience providing custom and off the-shelf air quality and environmental compliance training to industry and regulators. He regularly provides training in the areas of air quality permitting, Prevention of Significant Deterioration, compliance strategies and best practices, EMS, and industry-specific air quality regulation topics.

3. Methods for Incorporating Ecosystem Services into Decision-Making (Morning Training)

After two decades of slowly building understanding of how ecosystem services can be incorporated into decision making and the potential benefits of doing so, we are now seeing a rapid transition from the research community into policy guidance. In October of 2015, the U.S.

Executive Offices of the President (EOP) – the Office of Management and Budget, the Council on Environmental Quality, and the Office of Science and Technology Policy – released a memo titled “Incorporating Ecosystem Services into Federal Decision Making” which calls on federal agencies to develop work plans and implementation guidance describing how ecosystem services will be incorporated into their decisions including into NEPA assessments.

The purpose of this training is to introduce participants to the concept of ecosystem services and how it can be used in decision making. The training will provide an overview of the new federal guidance (which should be released at the time of the conference) and will review, at a high level, the ecosystem services assessment methods discussed in the Federal Resource Management and Ecosystem Services (FRMES) Guidebook (<https://nespguidebook.com>) and discuss how they align with the new guidance. The methods and concepts discussed will include causal chains and conceptual models, alternatives matrices, benefit relevant indicators, and monetary and non-monetary valuation.

Instructor: Dr. Lydia Olander, Director, Duke University, Ecosystem Services Program, Nicholas Institute for Environmental Policy Solutions.

Lydia Olander, Ph.D. directs the National Ecosystem Services Partnership which has been working for the last 4 years to support federal government efforts to incorporate ecosystem services into decision making. She also directs the Ecosystem Services Program at the Nicholas Institute for Environmental Policy Solutions at Duke University where she has worked on ecosystem services and environmental market policy since 2005. She has a doctorate in Biogeochemistry from Stanford University; a diversity of peer reviewed publications in science, policy and law; serves on the Environmental Advisory Board for the US Army Corps of Engineers; and was an AAAS Congressional fellow in 2004-2005 working in the office of Senator Lieberman on a range of environmental issues.

4. Air Quality: Best Practices for Managing Greenhouse Gas (GHG) and Energy Challenges (Afternoon Training Session)

In recent years, many organizations have begun to face new GHG and energy requirements that will affect their ability to operate cost-effectively over the long term. These include Federal Clean Air Act regulations - such as the GHG Tailoring Rule and Boiler NESHAP – that are imposing new emission limitations and operational restrictions on combustion sources. Significant new requirements for power generators are also coming from State and Regional programs - such as the California AB-32 rule and State Renewable Portfolio Standards - that involve GHG emission limitations, market GHG reduction mechanisms, and alternative energy generation goals. Furthermore, the Council of Environmental Quality (CEQ) has set forth guidelines for Federal agencies on how to address climate change impacts in NEPA reviews. With so many regulatory requirements now impacting many organizations, addressing the cost and operational impacts will undoubtedly be a significant challenge moving forward.

Outside of the regulatory realm, many stakeholders are demanding greater transparency from organizations for clarity on carbon emissions profiles and mitigation plans. Significant initiatives such as CDP (formerly the Carbon Disclosure Project) provide platforms for such transparency. Data reported by CDP is used by investment managers and advisors, asset owners, data and index providers, banks and brokers for a growing range of business strategy purposes. Companies, from medium size to large, report information to CDP through climate change, water, forests, and supply chain programs.

This workshop will review and assess the regulatory and stakeholder impacts of these new requirements and provide attendees with tools and response strategies to improve their chances for operating effectively in the future.

Instructor: Rich Pandullo, MEME, CM, Trinity Consultants

Rich Pandullo, MEM, CM, is a Director with Trinity Consultants and has more than 30 years of professional experience covering a broad range of environmental management issues. During his career, he has devoted much attention to problem solving in the areas of air quality compliance, climate change strategy and GHG emissions management, EH&S management systems implementation, and various types of auditing. In the industrial sector, Mr. Pandullo has assisted dozens of clients with programs related to GHG, PSD/NSR, Title V, State air toxics, EPA RMP, OSHA PSM, and RCRA regulations. On projects in the public sector, Mr. Pandullo analyzed emission control technologies for numerous industries and has provided advisement on air quality programs.

5. Incorporating Wildlife Habitat Conservation in Local Government Land Use Planning and Ordinances: Reducing Environmental Impacts Ahead of Permitting (Afternoon Training Session)

Since 2009, the N.C. Wildlife Resources Commission and the N.C. Natural Heritage Program have been collaborating to implement conservation programs and tools for local government land use and transportation planning. NCWRC developed and coordinates the Green Growth Toolbox program (GGT, www.ncwildlife.org/greengrowth). This program consists of a guidance handbook, a website, training workshops and technical assistance. The GGT provides habitat conservation recommendations, mapping data, planning methods and case studies to local governments to enhance conservation in their development-related plans and ordinances. This session will provide an interactive Green Growth Toolbox Train the Trainer Short Course. The goal of the session is for attendees to gain knowledge about conservation tools and opportunities in local government development planning. Our intent is for attendees to be better equipped to assist local governments to enhance conservation measures in their development ordinances. An integral part of the GGT are conservation mapping data and tools provided by the N.C. Natural Heritage Program (NCNHP). As part of this training session the NCNHP will present an overview of the program's Natural Heritage Data Explorer (NHDE).

Instructors will include Kacy Cook and Brooke Massa, N.C. Wildlife Resources Commission, and Suzanne Mason, N.C. Natural Heritage Program.

Instructor Bios:

Kacy Cook, N.C. Wildlife Resources Commission

Kacy Cook is a Land Conservation Biologist and coordinates the Green Growth Toolbox and works collaboratively with conservation partners, landowners and stakeholders on land conservation projects that benefit priority wildlife conservation. Kacy has been involved in the GGT and land conservation with NCWRC for over ten years. Holds a Master of Science in Forestry and Natural Resources from the University of Georgia Warnell School of Forest Resources.

Brooke Massa, N.C. Wildlife Resources Commission

Brooke Massa is a Land Conservation Biologist with the N.C. Wildlife Resources Commission. Brooke provides Green Growth Toolbox workshops and technical assistance to communities and works collaboratively with conservation partners and stakeholders on other land conservation projects. Brooke holds a Masters in Environmental Management from the Duke University Nicholas School of the Environment.

Suzanne Mason, N.C. Natural Heritage Program

Suzanne is a conservation data manager for the North Carolina Natural Heritage Program, the state agency responsible for maintaining the North Carolina's inventory of natural heritage resources. She has over 10 years' experience in database management, NatureServe methodology, and GIS. Suzanne leads the Program's data sharing activities, which includes quality control and distribution of natural heritage datasets to over 120 customer and partner organizations on a quarterly basis. She also provides training and customer support for the Natural Heritage Data Explorer. Suzanne specializes in maintaining data records for species listed

under the federal Endangered Species Act and review of North Carolina Department of Transportation projects. Prior to joining the Natural Heritage Program, Suzanne studied the genetic diversity of the endangered Schweinitz's sunflower and worked on detecting viruses in wild shrimp populations in South Carolina. She holds a Master of Science in Biology from the University of North Carolina.

NAEP 2017 Conference Track Descriptions

Air Quality

Track Chair: Lynn McLeod, CEP, PMP, *Battelle Memorial Institute*

A lot is heard in the media regarding air quality these days. Whether the discussion is around ozone, NOx, carbon dioxide, or something else, to the lay person it can be quite confusing. This session will attempt to shine some light on this subject and how it interplays with society in North Carolina and elsewhere. We will discuss how trends in ozone can be correlated with socio-economic variables, look at the impacts of exempting small businesses, and talk about how planting trees in urban areas can help carbon sinks.

Brownfields and Remediation

Track Chair: Christopher Burkhardt, *Falcon Engineering*

The EPA defines Brownfields as properties with hazardous substances, pollutants or contaminants present. These properties can sometimes be large scale former industrial or commercial sites that are no longer in operation and are considered unsafe and unsightly. Through the Brownfields program these once dangerous and blighted areas can be cleaned and otherwise made safe prior to redeveloping them into something that can provide jobs, housing, or green space while providing economic growth to their surrounding area. This Session will highlight three successful projects that tuned lemons into lemonade.

Climate Change

Track Chair: Jonathan Welker, *Breakpoint Surveying & Underground*

Climate Change is on the world's radar as a result of the recent changes throughout the world, and it continues to be one of the most important issues faced by environmental professionals today. This year's NAEP annual conference devotes two sessions to this vital topic. First, we will focus on how to include climate change in environmental assessments. In a second session, we will highlight education and communication techniques for explaining climate change, particularly in the media.

Cultural Resources

Track Chair: Heather Miller, *Historical Research Associates*

Cultural Resources are often an afterthought in world of environmental compliance and yet by law they are equally important as bugs and bunnies and air and water quality. Indeed, neglecting to address cultural resources (whether archaeological or historic) adequately can lead to anything from project delays and added costs, at best, to political black eyes, at worst—and everything in between. The sessions in the Cultural Resources track are designed to assist environmental professionals understand and negotiate some potential pitfalls of cultural resources compliance.

This year, we have three unique sessions in the Cultural Resources track. The first addresses three noninvasive or remote technologies that can be applied during various Section 106 processes: noninvasive geophysical testing, the use of drones and photogrammetry, and unmanned aerial systems (UAS). Using case studies, this session explores advancements in how LiDAR imaging, remote sensing, and digital data acquisition/transfer are being applied in cultural resource management settings to facilitate better site detection, evaluation, and preservation. The second session revolves around a case study of a recent inventory and evaluation of structures and buildings in the City of Los Angeles, which possesses one of the nation's largest municipal park systems. The project assessed resources' eligibility for listing in the National Register of Historic Places, California Register of Historical Resources, and/or the County of Los Angeles Register of Historic Districts and Landmarks. The inventory identified resources that are eligible individually or within a historic district and provided management guidelines consistent with the

NAEP 2017 Conference Track Descriptions (continued)

Secretary of the Interior's *Standards for the Treatment of Historic Properties* and the National Park Service's *Preservation Briefs*. Additionally, the project led to development of a Worker, Education, and Awareness Program and a Cultural Resource Management Plan. Last, but certainly not least, is a roundtable that seeks to provide answers to your most pressing cultural resources questions, from "What are cultural resources?" to "What is the difference between the cultural resources sections of NEPA and Section 106 of the NHPA?" to "What is a traditional cultural property?" to "What does it mean to avoid, minimize, or mitigate for an adverse effect?" and everything in between. Ask questions of our panel of experts in archaeology, history and historic preservation, NEPA, and cultural resources policy or just come to listen. Note, too, that additional presentations are cross-listed with the cultural track, including a paper on a comparative analysis of identified best practices regarding historic bridges.

Ecological Restoration Track

Track Chair: Ward Marotti, WK Dickson

Ecological Restoration Projects are evolving with practitioners making creative and interesting new advances. . As more and more ecological restoration projects occur, our knowledge of how restoration of natural systems are accomplished has grown and the tools available for use in a variety of situations has increased. This track focuses on showcasing various approaches that agencies and practitioners can use to implement ecological restoration in their projects. From creative and innovative methods of stream restoration, to evaluating wetlands at different levels, to projects that are actively implemented to help the environment, and even projects that bank mitigation credits for future project impacts. Come see what exciting things are happening in the world of ecological restoration.

Endangered Species

Track Chair: Misty Buchanan, North Carolina Natural Heritage Program

The Endangered Species session features one panel and two single presentations that demonstrate how multiple state and federal agencies work together to assess the status and trends of endangered species, and how these collaborations benefit the rare species, as well as the multiple agencies, including the Department of Defense, NC Department of Transportation, and US Fish and Wildlife Service. The Sentinel Landscapes Panel (Session 27) features a group of speakers who helped develop a program in North Carolina that provides incentives to landowners in the vicinity of military installations to maintain their land in use that is compatible with existing military training programs conducted on the installations. The second Endangered Species Panel (32) features a collaboration between the NC Botanical Garden and the US Department of Defense to restore a rare plant on the military installation (Sandhills Lily), and a collaboration between the NC Department of Transportation, US Fish and Wildlife Service, and NC Natural Heritage Program to assess the status of a federally protected plant (Dwarf-Flowered Heartleaf), to determine if it continues to merit federal listing.

Energy

Track Chair: Ann Miracle, Pacific Northwest National Laboratory

As populations grow and concerns about meeting future energy needs and climate change increase, more research is being conducted on new locations for various forms of energy (oil/gas and renewable) and alternative sources of energy. This session will look at some of the activities being conducted in this area as they relate to the east coast of the U.S., nationwide, and portions of the world. Whether it is determining where we are willing to allow potential new energy sources to be accessed, where renewable sources of energy are viable enough to be developed, or looking at new ways of harnessing energy from the environment, this session will have something interesting for you.

NAEP 2017 Conference Track Descriptions (continued)

Environmental Technology

Track Chair: Misty Buchanan, North Carolina Natural Heritage Program

As computers become smaller and faster, and program development becomes easier, the use of technology in direct data collection becomes more common. This session focuses on some of the new tools available in the environmental arena as well as some old tools that have become more helpful in their capabilities. Whether it is an iPad or other hand held device to directly enter field data, the use of satellite imagery to conduct field surveys, or employing drones in the conduct of field data collection, the use of technology to conduct environmental assessment or to directly collect and make field data more accessible is clearly a path down which we all find ourselves following.

Mountains to Sea

Track Chair: Jonathan Welker, Breakpoint Surveying & Underground

This track focuses on several environmental issues impacting North Carolina and other states where you find a variety of habitats, everything from mountains to the sea. The first of three sessions under this track looks at strategic planning throughout North Carolina. Items such as state wide fish and wildlife habitat conservation plans, the need for wider riparian buffers, and applying rapid wetland and stream assessment methods will be discussed. In the second session folks from the North Carolina Heritage Program will discuss a new model – NatureServe – to collect and analyze species distribution data across the state. Lastly, the third session will look at protecting coastal flora and fauna communities.

NEPA

Track Chair: Michael Smith, ENERCON

The purpose of the NEPA Track is to provide practitioners with a comprehensive overview of the most important recent NEPA policy and legal updates, as well as tips and techniques for improving NEPA practice and analyses in a number of critical areas. Federal, state and private-sector practitioners and legal experts will showcase real-world examples from project case studies for a wide range of project types and agency actions. This year's Track, will feature progress made over the past year on issues discussed during the 2016 session regarding the Cohen NEPA Summit. In addition to this special session, this year's panel and individual paper sessions will address a wide array of NEPA topics including: Annual NEPA Case Law and Policy Update; Incorporating Ecosystem Services into NEPA; Tips and Tricks for Third Party EISs; NEPA Best Practices; Environmental Language Barriers; Beans, Bullets, and Bunnies: Navigating the Complex World of DoD NEPA; NEPA Case Studies; Adaptive Management Under NEPA; and NEPA Compliance at the U.S. Food and Drug Administration.

Public Involvement

Track Chair: Lynn McLeod, CEP, PMP, Battelle Memorial Institute

Public Involvement is an ever changing landscape with its share of pitfalls and land mines. Sessions throughout this track focus on informing on ways of traversing this road with the goal of getting to the end of the line in one piece. Whether you are developing or updating your policies/guidance, managing public involvement for large-scale remedial projects or complex NEPA projects, or just need to learn how to include the Next Generations, these sessions are for you. This track also includes a rather unique Hot Topic Lunch as we delve into considerations of the environment from a Faith-Based Perspective. We encourage people to join into the conversation in all of these sessions.

NAEP 2017 Conference Track Descriptions (continued)

Remediation Techniques

Track Chair: Christopher Burkhardt, *Falcon Engineering*

Have you found a client with unlimited time and money? No? Well, we haven't either. Remediation is no different than other business ventures when time is of the essence and budgets are limited. Come listen to these four knowledgeable professionals explain how they have used technology to meet and exceed these two criteria. Presentations include topic such as precipitating Arsenic out of ground water as arseno-oxyhydroxides and the stable mineral arsenopyrite; fixating Chemicals using a new approach insensitive to toxicity and well performing in environments with high concentrations of metals, organic contaminants, salt, and pH levels (high and low); developing more accurate groundwater flow models including suitable well screening intervals and groundwater remediation programs using geophysical logging instruments; and mitigating Vapor Intrusion on large scale projects and the importance of choosing the right contractor.

Transportation

Track Chair: Kristen Maines, *Infrastructure Consulting & Engineering*

2016 was a strong year for federal transportation funding under President Obama. However, states still face a shortfall between existing transportation revenues and projected needs. Funding and finance options for transportation projects include traditional revenues such as gas taxes and other taxes on motor fuels, motor vehicle fees and tolls, and less traditional approaches like per-mile charges and taxes on alternative fuels. States also are considering finance solutions that borrow against or otherwise leverage revenues, such as bonds, federal credit assistance, state infrastructure banks and public-private partnerships (National Conference of State Legislatures, 2017).

This year, we have four unique sessions in the Transportation Track covering a variety of transportation-related topics. *Roadway Projects and NEPA: Navigating the Process* will present case studies of three roadway projects—each dealing with issues and challenges that many planners face. *Emerging Issues in Transportation Projects* will focus on trends in transportation planning including alternatives to Level of Service as the primary metric for assessing transportation facilities, and the findings of a recent survey of 46 committees of the Transportation Research Board of the National Academies regarding environmental “performance”. The third session, *Case Studies in Transportation Projects* will have two presentations dealing with historic bridges. We will hear an evaluation of states’ approaches to navigating historic bridge projects with some guidance for professionals to improve project outcomes; and a discussion of the challenges of replacing a historic bridge in an environmentally-sensitive and dynamic coastal environment. The track will wrap up with *Evaluating Impacts of Transportation Projects* which will explore issues in the world of air transportation and differences between handling transportation projects under the California Environmental Quality Act (CEQA) and NEPA.

Water Resources

Track Chair: Jonathan Welker, *Breakpoint Surveying & Underground*

Innovation and technology are aiding the water resource community by adding new procedures and tools to their repertoire. In efforts to reduce flooding and reduce potential health hazards, engineers use these tools to build more efficient infrastructure. This session will highlight projects throughout the country that have been effective in incorporating blue and green drainage structures, technology into storm water Best Management Practices, and incorporation of updated regulation in storm water permitting

NAEP 2017 Conference Information

Environmental Excellence Awards

The National Association of Environmental Professionals (NAEP) will be recognizing significant achievements in environmental excellence at the 2017 Conference. Through nominations received and reviewed by an NAEP national committee, selected recipients will be recognized for their noteworthy accomplishments in Environmental Management, Public Involvement, Conservation Programs, Environmental Education, Planning, Stewardship, and Best Available Technologies, as well as The President's Award. A video of the award projects will be on display during the awards lunch.

Hotel Information

Connected to the Durham Convention Center and next door to the restored Carolina Theatre in Durham's downtown area, the Durham Marriott City Center offers not only convenience for NAEP attendees but also a newly renovated hotel. Comfortable and relaxed, the hotel's



downtown location is just moments from Duke University, Research Triangle Park, the American Tobacco Campus and fine dining. For those staying at the Durham Marriott City Center, complimentary Wi-Fi will be offered in the sleeping rooms. In addition, there is a 24-hour business center located on the first floor which can be accessed with your hotel key. The 201 Restaurant and Lounge, conveniently located on the lobby level, offers on-site dining throughout the day and evening.

A block of sleeping rooms has been reserved for NAEP attendees at the conference rate of **\$149 single/double per night plus applicable state and local taxes** (currently 13.5%). Reservations by attendees must be

received on or before **Friday, March 3, 2017**. NAEP expects that the block will fill prior to the cut-off date, so please reserve your sleeping rooms as early as possible.

All reservations must be accompanied by a major credit card as a guarantee.

For reservations, please contact **Marriott reservations at 1-800-228-9290 or 1-800-909-8375**. *Identify yourself as an NAEP conference attendee in order to receive the special rate.*

ALL GOVERNMENT-RATED ROOMS IN THE BLOCK ARE BOOKED, AND THERE ARE NO MORE GOVERNMENT-RATED ROOMS AVAILABLE AT THE MARRIOTT.

For those driving, the hotel will offer a \$9.00 per day parking charge for hotel guests.

Specific hotel information is as follows:

Durham Marriott City Center Hotel
201 Foster Street
Durham, NC 27701-3211
Telephone: 919-768-6000

Transportation

Raleigh-Durham International Airport serves the Research Triangle Region of North Carolina, a multi-county area that includes the state capitol of Raleigh, as well as the vibrant cities of Durham, Chapel Hill and Cary along with dozens of larger towns and small communities throughout the central portion of the state. The region's name comes from Research Triangle Park, one of the largest dedicated research and industry zones in the nation.

Raleigh-Durham International Airport is home to nine air carriers, flying customers to 47 nonstop destinations on 400+ daily flights.

Terminal 1 services Southwest Airlines. Terminal Two services other major carriers such as American, Delta, and United, among others.

RDU Taxi, Inc. is the sole, licensed taxi service provider for Raleigh-Durham International Airport. Metered fares and customer service standards are implemented and monitored by the Raleigh-Durham Airport Authority. A typical fare between RDU and Durham is \$30.80/one-way. (Durham is approximately 14 miles from RDU.) Taxi dispatchers are located outside the terminals at RDU. The Terminal 1 Taxi Dispatch Booth is located outside Bag Claim 3. At Terminal 2, the booth is located on the lower level outside Bag Claim 1.

You may also schedule a taxi reservation to RDU Airport by contacting **RDU Taxi, Inc.** at (919) 840-7277. Handicap-accessible vehicles are available upon request. Reservations are not needed when departing from RDU. Simply proceed to the Taxi Dispatch Booth located outside each terminal.

Dine-Around Durham

“With a reverence for life’s everyday pleasures (we’re talking coffee, beer, pizza, and pie here), a passionate mix of chefs, farmers, brewers, bakers, and baristas have quietly transformed Durham into one of the hottest food destinations in the South. Part of what makes Bull City compelling is the confluence of old and new: Its foodie future is gradually wiping out its tobacco past, yet remnants of the town’s first industry provide a backdrop for its current scene. Both the [American Tobacco Historic District](#) and [Brightleaf Square](#), two mixed-use developments brimming with restaurants, bars, and live music venues, are housed in former tobacco warehouses that date back to the 1800s and 1900s. The town’s top tastemakers are also drawing national attention. Durham recently scored four James Beard Foundation Award semi-finalist nods, including one for Scott Howell at [Nana’s](#) for Best Chef Southeast. But it’s not white tablecloth restaurants driving the scene here. Instead, it’s artisans committed to crafting their own to-die-for takes on simple culinary delights.” – Southern Living magazine

“Durham has one of the most exciting and varied dining scenes of any Southern town, with everything from regional favorites like biscuits and barbecue to taste bud challengers such as beef tendon crackers and black garlic ice cream.” – New York Post

The NCAEP is looking forward to giving you a culinary tour of the South during your visit to their lovely state. Wednesday evening join other conference attendees for a “meet and greet” dinner opportunity. We’ll make the reservation and coordinate the group. All you have to do is choose what you’d like to have for dinner!

There will be sign-up sheets near the registration table with key details for each of the restaurants as well as their price ranges. Meet in the lobby at 6:00 PM to greet your dinner companions and head out for a culinary adventure!

Walking Tours

1. Ecosystem Restoration Tour

Tuesday, March 28 – 1:15 – 5:00 PM

Wildlands Engineering will lead a tour of two local ecosystem restoration projects showcasing large scale restoration of stream, riparian, and wetland habitats that have utilized innovative design techniques to create diverse ecological terrains. Each project tour will focus on the process of assessment, design, and construction to create a natural system that improves the water quality, biological, and hydrologic functions on the site. Special emphasis will be placed on the innovative structures, best management practices, and design philosophies utilized to advance the science behind ecosystem restoration. The projects have been completed for mitigation credit through a unique North Carolina In-Lieu Fee program that offsets impacts to jurisdictional waters utilizing a Full-Delivery Project process essentially transferring the development, implementation, and risk of success to private firms. Discussion of the project development and management of the Full-Delivery Project process will be discussed in terms of how it helps promote innovation and project success.



Tour Projects

Candy Creek Stream Mitigation Project construction was completed in late 2016. The project restored or enhanced over 20,000 linear feet of stream, including removal of several cattle ponds, restoring stream channels to their native floodplains, excluding cattle from stream channels, and creating vernal pool habitat. Candy Creek is a watershed scale rural landscape project, which encompasses most of the head water tributaries as well as the main stem of Candy Creek.



Little Troublesome Creek Stream and Wetland Mitigation Project is an urban stream and wetland restoration project that restored a mile of Irvin and Little Troublesome Creeks and over 10 acres of riparian wetland. Challenges of this project included managing a project with urban storm water runoff, coordination with FEMA developing a Conditional Letter of Map Revision (CLOMR), and the relocation of a natural gas line and easement.

Tour Leaders:

Leading the tour will be two veterans of the North Carolina ecosystem restoration industry, **Shawn Wilkerson** and **John Hutton**. Shawn and John lead Wildlands Engineering, a 35-person firm dedicated to ecosystem restoration and water quality management in the Southeast United States. They have a combined 33 years of experience in watershed planning, design, and construction of stream and wetland systems

Tour Leader Bios:



Tour Leader Bios: Shawn Wilkerson, *President*

Shawn Wilkerson is the President of Wildlands Engineering, a full-service ecological restoration firm, specializing in stream and wetland restoration, water quality management, and watershed planning. Often his work encompasses overseeing and managing large-scale mitigation projects. Wildlands is a diverse team of 35 professionals that consists of stream and wetland designers, engineers, hydrologists, ecologists, real estate brokers, and GIS analysts. Wildlands' five offices are in Charlotte,

Raleigh, Asheville, NC; Fairfax, VA; and Charleston, SC. Shawn also serves on the Board of the North Carolina Ecological Restoration Association, has a Master's in Science of Civil Engineering with a Water Resources Concentration and is a North Carolina Real Estate Broker.

Throughout his career Shawn has focused on creating innovative and thoughtful ecological restoration projects. His ecological team has designed more than 78 miles of streams and over 441 acres of wetlands in North Carolina, South Carolina, and Virginia. Wildlands Engineering currently has 40 major turn-key mitigation projects with over \$62 million in contract value and has six active mitigation banks.



John Hutton, *Vice President*

John Hutton is Vice President and Senior Project Manager for Wildlands and has fifteen years of experience in the assessment and restoration of streams and wetlands. He serves as the senior technical advisor for wetlands restoration within the firm. John has managed numerous large-scale restoration projects for a variety of public and private clients throughout the Southeast including over 20 miles of restored stream and over 350 acres of restored wetlands. He has been responsible for all aspects of stream and wetland restoration projects including site searches, feasibility studies, mitigation planning, mitigation design, construction management, and post construction monitoring. John has also served as project manager on several watershed and water quality projects throughout the Southeast.

2. Tour of the Duke University's Stream and Wetland Assessment Management Park (SWAMP)

Wednesday, March 29, 1:15 – 5:00 PM

This tour showcases Duke University's Stream and Wetland Assessment Management Park (SWAMP) in Duke Forest, just off N.C. 751 near the university's West Campus in Durham N.C. SWAMP is a 14-acre restored stream-wetland-lake complex designed to help protect the Triangle's drinking water supply by controlling storm water runoff that drains into the Sandy Creek watershed from the campus and 1,200 surrounding acres.

The site also serves as an outdoor classroom for graduate and undergraduate students, and as a field laboratory for testing new wetland restoration technologies and studying biological diversity, hydrology, mosquito control, water quality, invasive plant species and other issues.

"Our goal was to re-create an ecosystem similar to what you would have found here 75 to 100 years ago," said Curtis J. Richardson, director of the Duke University Wetland Center and

professor of resource ecology at Duke's Nicholas School of the Environment and Earth Sciences.

Storm runoff containing heavy concentrations of sediment, nitrogen, phosphorus and other urban pollutants drains into Sandy Creek. The creek, a tributary of New Hope Creek, meets all state pollution standards when it enters northern Durham County but often has been in violation by the time it left southern Durham County, bound for Jordan Lake, part of the Triangle's drinking water reservoir.

Scientists and students at the Wetland Center and Nicholas School, as well as from Duke's biology department and its Pratt School of Engineering, have worked on the project for more than three years. They re-contoured and replanted the creek's heavily eroded, silt-clogged streambed and its banks, restored a riparian wetland along the floodplain, built a new wetland, and built a storm water reservoir and earthen dam to replace an old dam that was in disrepair.

"By restoring the natural stream contours and floodplain that used to be here before the onslaught of urban development, we have re-created a healthy wetland ecosystem that can sop up pollutants and improve wildlife habitat," Richardson said. "What we learn here will benefit many wetlands and watersheds nationwide." Several publications in peer-reviewed journals have shown the water quality benefits of this project in terms of sediment and nutrient removal as well as biological uplift for aquatic macroinvertebrates.

Agencies and organizations providing funding or in-kind support for SWAMP include the Clean Water Management Trust Fund, City of Durham, Durham Soil and Water Conservation District, National Science Foundation, U.S. Environmental Protection Agency, New Hope Creek Corridor Committee, N.C. Department of Environment and Natural Resources, N.C. Ecosystem Enhancement Program, U.S. Department of Agriculture, N.C. Water Resources Development Grant Program, Duke University and the Duke University Wetland Center Case Studies Endowment

Primary Tour Leader: Dr. Curtis Richardson

Dr. Curtis Richardson is an internationally acclaimed ecologist and wetland soil scientist who has devoted his career to conducting research on phosphorus biogeochemistry in wetland ecosystems around the world. As Director of the Duke University Wetland Center and the John O. Blackburn Distinguished Professor of Resource Ecology at Duke's Nicholas School of the Environment, Dr. Richardson directs wetland science and management research. His main interests are in phosphorus nutrient dynamics, the effects of environmental stress on plant communities and growth response, wetland restoration, and peatland carbon sequestration. He has spent considerable efforts translating this research into realistic management techniques that improve wetland ecosystems while sustaining ecological functions on the landscape. He is a Fellow of the Society of Wetland Scientists, the Soil Science Society of America, and the American Association for the Advancement of Science. In addition, he is a recipient of the 2006 National Wetlands Award.

Secondary/Support Tour Leader: John Dorney, Moffat and Nichol

John Dorney has been employed by Moffat and Nichol since March 2014 after spending two years with another private engineering/environmental consulting firm. With these firms, he is and was responsible for environmental permitting, wetland and stream functional assessment, as well as teaching classes in stream identification and functional assessment. He retired from the N.C. Division of Water Quality after twenty-eight years of service. During that time, Mr. Dorney was responsible for the 401 Water Quality Certification Program that was responsible for regulatory review of development projects to ensure compliance with the state's wetland, stream and buffer regulations as well as the Wetlands Program Development Unit which was responsible for developing and implementing new or modified wetland regulatory policies including compensatory mitigation, wetland monitoring, FERC relicensing, wetland and stream functional assessment, as well as conducting various training activities.

3. Duke Forest Tour

Thursday, March 30, 10:00 a.m. – 2:00 p.m.

Duke Forest is owned and managed by Duke University. It consists of over 7,000 acres of forested land and open fields in Durham, Orange, and Alamance counties. It has been managed for teaching and research purposes since 1931. The mission of the forest is to facilitate research that addresses fundamental and applied questions concerning forested and aquatic ecosystems and to aid in the instruction of students so that they will be informed citizens and effective stewards of our natural resources. The management of the forest is guided by a comprehensive plan that promotes the Forest's academic mission while ensuring the protection of its natural resources. The Duke Forest also provides education and outreach through tours and volunteer events and serves as an outdoor recreation destination for the local community.

Together, we will explore a unique section of the Duke Forest looking for those first spring blooms on a guided nature hike.



Tour Leader: Nicolette Cagle, *Nicholas School of the Environment*

Nicolette is faculty in the Nicholas School of the Environment, the Director of the NSOE Writing Studio, and the Director of the Environmental Science Summer Program at Duke. She conducts research in ecology and environmental education. Her research has taken her to Italy, where she explored natural areas across the country, collected data on interpretive signs at nature centers, and interviewed Italians with a passion for the environment. She loves to hike, explore nature, travel, learn languages and write poetry. As a certified environmental educator, Nicolette also teaches and consults for a number of organizations in the Durham area. Nicolette received her Doctorate in Ecology from Duke University and a B.S. in Natural Resources and Environmental Science from the University of Illinois – Urbana.

Schedule at a Glance

Monday March 27					
8-12	TRAINING SESSIONS (Additional Cost)				
	NEPA: Basic NEPA Training	Air Quality – Regulations Overview	Ecosystem Services		
1-5		Air Quality– Best Practices for Managing Greenhouse Gas (GHG) and Energy Challenges	Wildlife Habitat		
5-7	Networking				
Tuesday, March 28					
8-9:30	Welcome & Planning (Tom Earnhardt & Tim Profeta)				
10-11:30	1- Incorporating Ecosystem Services into NEPA	2-From Mountains to Sea: Strategic Planning & North Carolina Case Studies	3- Roadway Projects and Navigating the Process	4-Climate Change: Implementing Climate Change into Environmental Assessments	
11:30 - 1	Lunch – Ted Boling CEQ, NEPA				
1:15 – 2:45	5- NEPA Case Law Update	6-From Mountains to Sea: Case Study Using Species Data and Distribution Models	7-Emerging Issues in Transportation Projects	8- Brownfield Success Stories	ECOSYSTEM RESTORATION TOUR (1-5) (Ward to assist)
3:15 – 4:45	9-Making NEPA practice better: Progress and perspectives from the Cohen NEPA Summit panels	10-Air Quality: Weighing the Impacts and Mitigation Measures	11-Climate Change: Effective Education and Communication Techniques	12-Water Resources: Stormwater Strategies	
6-10	Presidents Dinner				
Wednesday, March 29					
8-9:30	13-Tips & Tricks for Third Party EISs	14-Aquatic Habitat Restoration Design: Key to Functional Uplift	15-NEPA Best Practices	16- Public Involvement Guidance Manuals: Technical Requirements, Content Development and Process Challenges	
Break	Poster Session in Exhibit Hall				
10-11:30	17-Environmental Language Barriers	18-The Road to Maximizing Functions of	19-Case Studies in Transportation Projects	20 - Public Involvement: Public	

		Transportation-Induced Mitigation		Involvement: Preparing for the Next Generations	
11:30 - 1	Lunch - Awards				
1:15-2:45	21-Beans, Bullets, and Bunnies: Navigating the Complex World of DoD NEPA	22-Water Resources: Assessment of Water Quality Near Environmentally Impacted Sites	23-NEPA and Airports	24-Current NEPA Issues	TOUR OF THE DUKE UNIVERSITY'S STREAM AND WETLAND ASSESSMENT MANAGEMENT PARK (SWAMP) (1-5) (Ward to assist)
Break	Poster Session in Exhibit Hall				
3:15 – 4:45	25-NEPA Compliance at the FDA	26-Recent Technological Applications in Cultural Resource Management	27-Endangered Species: Sentinel Landscapes	28-Remediation Techniques	
6-10	Dine Around Durham				
Thursday, March 30					
8-9:30	Membership Meeting/Awards				
10-11:30	29-Adaptive management under NEPA? Current Practice and Future Direction	30-Wetland Conditions: Where they have Come and Implications for the Future	31-Energy: Harnessing Energy from the Environment	32-Endangered Species: Saving Our Native Flowers	Duke Forest Tour (10-2) Take Lunch with them
11:45-1	33-NEPA HTL: In Dreams Begins Responsibility: Applying Environmental Assessment to Outer Space Development	34-Water Quality – HTL (TBD)	35-Public Involvement – HTL The environment from a faith-based perspective	36-NC - SEPA/Local Regs – HTL (TBD)	
1:30-3	37-Emerging NEPA Issues	38-Environmental Technology: Applying Electronic Tools to Make Data Collection Easier	39-Case Studies and Lessons Learned from Parks and Preservation	40-From Mountains to Sea: Protecting Coastal Floral and Fauna Communities	
3:15-4:45	41-NEPA Case Studies		43-Dealing with Cultural Resources, Questions you might be "afraid to ask"		



**Registration Form – NAEP 2017 Annual Conference
March 27-30, 2017 – Durham Convention Center, Durham, NC**

You may register online at www.naep.org or fill out this form and email or mail with your payment.

First Name: _____ Last Name: _____
 Certification _____ Firm / Agency / University: _____
 Job Title: _____ NAEP member? ___ Yes ___ No CEP? Yes ___ No ___
 Address: _____
 City: _____ State: _____ Zip: _____
 Country (other than USA): _____ Phone: _____
 Email: _____

Registration Fees (Full Conference registrations include all scheduled meals and evening events, but not the training)
 One-day registration includes only breakfast and lunch on that day, evening events are not included.

	NAEP Member			Non Member		
	Early – Register prior to 2/17	Regular – Register from 2/18 to 3/3	Late – Register after 3/4	Early – Register prior to 2/17	Regular – Register from 2/18 to 3/3	Late – Register after 3/4
Full Conference	\$595	\$695	\$795	\$695	\$795	\$895
One day registration	\$295	\$345	\$395	\$395	\$445	\$495
Student registration*	\$175	\$200	\$225	\$175	\$200	\$225
Full day training	\$225	\$275	\$325	\$225	\$275	\$325
Half day training	\$150	\$200	\$250	\$150	\$200	\$250
Government employees and/or speakers receive a \$100 discount on full conference registration (see below)						-\$100
Government employees and/or speakers receive a \$50 discount on a one day registration (see below)						-\$50

*To receive the student rate you must be a full time student and submit ID with your registration. Does not include the offsite evening event.

Please select your registration type (Full Conference registrations include all scheduled meals) \$ Amount
 (from table above)

Full Conference NAEP member (All training on Monday requires additional fee)	
Full Conference non-member (Training on Monday requires additional fee)	
Speaker or Government employee Full conference – subtract \$100 (1 discount only, Training requires additional fee)	
One Day NAEP Member (please indicate which day you will attend) ___ Tue. ___ Wed ___ Thur (offsite event is an additional fee)	
One Day non-member (please indicate which day you will attend) ___ Tue. ___ Wed ___ Thur (offsite event is an additional fee)	
Speaker or Government employee One Day – subtract \$50 (1 discount only, Trainings and offsite event are extra)	

Join NAEP

FEE

NAEP General Membership	\$75.00	
NAEP Senior Membership (65 years of age or over)	FREE	
NAEP Student Membership	\$60.00	
NAEP Associate Membership	\$45.00	

check box

RENEW your NAEP Membership

NAEP General Membership	\$175.00	
NAEP Senior Membership (65 years of age or over)	\$95.00	
NAEP Student Membership	\$60.00	
NAEP Associate Membership	\$145.00	

Subtotal _____

NAEP Affiliate Chapter members receive a 10% discount off the **non NAEP member** rate (round to nearest \$ (-10% of subtotal))

Registration fee _____

Training – Monday March 27, A separate fee applies (see table above). Attendance in a training class only does not require the one day registration.

- NEPA: Basic NEPA Training (Full Day)
- AIR QUALITY – Understanding the Regulations and Navigating Climate Change Calculations (Full Day)

- AIR QUALITY – Understanding the Regulations Only (Half Day- Morning, 8:00 a.m. – 12:00 p.m.)
- AIR QUALITY – Best Practices for Managing Greenhouse Gas (GHG) and Energy Challenges (Half Day-Afternoon, 1:00 p.m. – 5:00 p.m.)
- Methods For Incorporating Ecosystem Services Into Decision-Making (Half Day-Morning, 8:00 a.m. – 12:00 p.m.)
- Wildlife Habitat in Conservation in Local Government Land Use Planning and Ordinances (Half Day-Afternoon, 1:00 p.m. – 5:00 p.m.)

EXTRAS

Monday Training (no discount on training – indicate your choice above and add the fee from the top table)..... _____

Extra lunches - \$30 each (indicate how many and which day) ___ Tue ___ Wed ___
 Thur..... _____

Payment: _____ Check (US Bank only)
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_____ Visa _____ MasterCard _____ American Express

Mail to: NAEP
 1120 Rt. 73, Suite 200
 Mount Laurel, NJ 08054

Card number: _____ Exp. Date _____
 Security code _____ Name on card _____
 Card billing address: _____

Email: amitchell@ahmt.com

Opt out of all attendee list distribution. This includes all pre and post conference attendee lists and exhibitor/sponsor promotions. If you do not want your name and contact info to be included, check here _____. Questions call 856-793-0782

Extra tickets for President’s Dinner event - \$75 each (indicate how many) ___ Tue..... _____

Extra Reception tickets \$30 each (indicate how many) ___ Monday _____

TOTAL DUE _____

Cancellation Policy: Cancellations received in writing before January 27 will be refunded the conference registration fee in total less a \$125 processing fee. Cancellations received after January 27 and before March 3 will be refunded 50% of the total paid for the conference registration fee. Cancellations received on or after March 3 will receive no refund. With prior notification, you may substitute a different name for your registration.

Opt out of all attendee list distribution. This includes all pre and post conference attendee lists and exhibitor/sponsor promotions. If you do not want your name and contact info to be included, check here _____. Questions call 856-793-0782.



TM

Dear Sponsors and Exhibitors:

The National Association of Environmental Professionals (NAEP) and its North Carolina chapter (NCAEP) cordially invite you to participate and exhibit at the 42nd Annual Conference which will be held March 27-30, 2017 in Durham, North Carolina. The conference will take place at the Durham Convention Center, and a block of conference-rated sleeping rooms has been reserved at the Durham Marriott City Center. Building on the success of prior conferences, we anticipate approximately 400 attendees and are sure you will enjoy networking opportunities to demonstrate and discuss your company's products and services.

The exhibit hall will open formally on Monday evening, March 27 with the Opening Networking Reception to which all conference participants are invited. Exhibit booth and table top set-up is scheduled for Monday afternoon. Exhibits close Thursday afternoon, March 30.

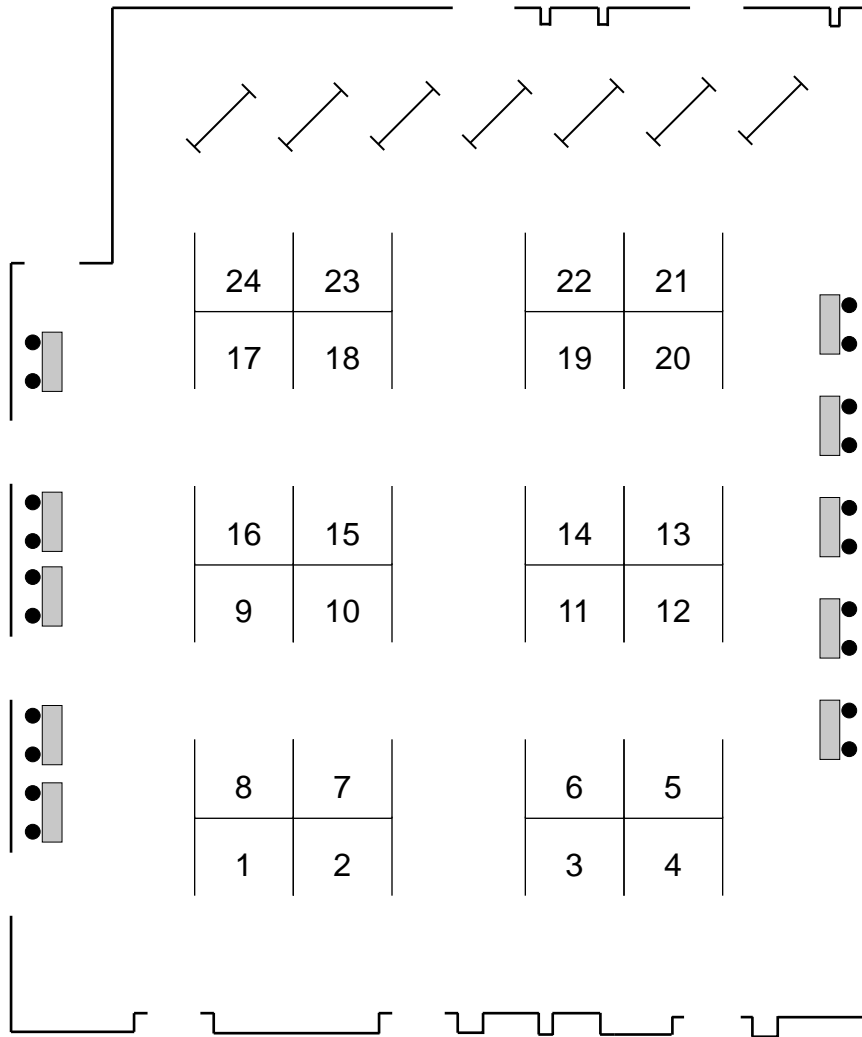
Please note the following exciting changes which we have implemented for 2017:

- Exhibitors will be provided with an eight-by-ten pipe-and-draped booth, a table, two chairs, a wastebasket, and a company ID sign. A general services contractor (decorator) will be available to assist you with any freight or additional furniture needs which you might have.
- The exhibit hall is located on the main hallway of the convention center, next to the general sessions and a few steps away from the various concurrent breakout rooms.
- Every effort has been made this year to offer sponsors and exhibitors full access to every attendee who enters the exhibit hall. **When you look at the floor plan, note that every booth has two (2) open sides from which to engage attendees.** Both horizontal and vertical aisles have deliberately been made wider so that all food and beverage will be interspersed among the exhibits. There will also be several high cocktail tables scattered throughout. The exact placement of these will be determined closer to the conference.
- All morning and afternoon breaks and the two continental breakfasts will be placed in the exhibit hall. Preliminary planning calls for a dedicated poster session in the hall which not only will add another exhibit hall event but also will provide several participants the chance to showcase their work by speaking peer-to-peer with other conference attendees.
- The Opening Networking Reception will offer several food stations and space for attendees to mix and mingle. Naturally you are invited to participate in all social events held in the exhibit hall.
- There is complimentary Wi-Fi offered throughout the Durham Convention Center.

Diamond, Platinum, Quantum, and Gold sponsors and exhibitors will receive at least one (1) complimentary full conference registration. (Please see the accompanying paperwork for the tiers of sponsorship.) Table-top exhibitors will receive a one-day registration to attend the conference on the day of your choice. Additional registrations, of course, can be purchased at the regular conference rates.

We look forward to welcoming you to the 42nd Annual Conference in Durham.

John Jamison
2017 Conference Co-Chair



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Grand Ballroom I & II
Booth Size: 10x8 Booths
Number of Booths: 24

National Association of
Environmental Professionals 2017 Annual
Conference
March 27-30, 2017

Durham Convention Center
Durham, NC

Revised: 12/9/16



**NATIONAL ASSOCIATION OF ENVIRONMENTAL
PROFESSIONALS
2017 ANNUAL CONFERENCE
DURHAM CONVENTION CENTER
DURHAM, NC – MARCH 27 - 30, 2017**

SPONSORSHIP OPPORTUNITIES

All sponsors and exhibitors will receive:

- Recognition in the final program
- Recognition in the exhibit/meeting area
- Recognition on screen before general sessions and luncheons

IMPORTANT DEADLINES

- Advance program (Register by November 11, 2016)
- Final program (All materials no later than February 6, 2017)

DIAMOND SPONSOR \$20,000 (one available)

- Company branding on all printed materials throughout the conference
- Your logo on the NAEP web site plus link to your web site
- Exclusive recognition as the major sponsor of your choice of President's Reception, Opening Session, or Keynote Luncheon
- Exhibit booth in prime location in the exhibit hall
- Four (4) full conference registrations
- Two (2) full-page advertisements in the final program
- Company logo on lanyards and promotional item if utilized
- Company literature on display table in registration area
- Option to place a welcome gift in attendees' hotel rooms
- Pre- and post-conference attendee lists (excluding opt-outs)
- One (1) year corporate membership

PLATINUM SPONSOR \$10,000

- Your logo on the NAEP web site plus link to your web site
- Exclusive recognition as a major sponsor of your choice of Welcome Reception, Opening Session, or Keynote Event
- Exhibit booth
- Three (3) full conference registrations
- Full-page advertisement on the back cover or inside front cover of the final program
- Pre- and post-conference attendee lists (excluding opt-outs)

QUANTUM SPONSOR \$7,500

- Your logo on the NAEP web site plus link to your web site
- Recognition as a major sponsor of your choice of Welcome Reception or a Keynote Luncheon
- Exhibit booth
- Two (2) full conference registrations
- Full-page advertisement in the final program
- Pre- and post-conference attendee lists (excluding opt-outs)

GOLD SPONSOR \$5,000

- Your logo on the NAEP web site plus link to your web site
- Exclusive sponsorship of a breakout room with in-room recognition and a literature display table
- Exhibit booth
- One (1) full conference registration
- One-half page advertisement in the final program
- Pre- and post-conference attendee lists (excluding opt-outs)

SILVER SPONSOR \$2,500

- Your logo on the NAEP web site plus link to your web site
- Recognition as a sponsor on conference signage
- One (1) table-top space
- One (1) full conference registration
- One-quarter page advertisement in the final program
- Pre- and post-conference attendee lists (excluding opt-outs)

COPPER SPONSOR \$1,500

- Your logo on the NAEP web site plus link to your web site
- Recognition as a sponsor on conference signage
- Two (2) meal tickets for a lunch
- One (1) quarter page advertisement in the final program
- Pre- and post-conference attendee lists (excluding opt-outs)

BRONZE SPONSOR \$750

- Your logo on the NAEP web site plus link to your web site
- Recognition as a sponsor on conference signage
- Business card size advertisement in the final program

OTHER SPONSORSHIP OPPORTUNITIES:

- Audiovisual
- Conference App
- President's Dinner
- Luncheon
- Breaks, specific sessions, etc.

Call Ann Mitchell at 856-793-0782 for further information.



NAEP 2017 ANNUAL CONFERENCE DURHAM, NC - MARCH 27 - 30, 2017

NAEP Sponsor, Exhibitor and Program Ad Registration Form

Company Name:		
Address:		
City:	State:	Zip:
Contact Name:		
Phone:	Fax:	
E-Mail:	Website:	

Sponsor Levels: *See descriptions for benefits of each category.*

___ Diamond Sponsor - \$20,000 Event I wish to sponsor: ___ President's Dinner ___ Opening Keynote Session ___ Keynote Luncheon		
___ Platinum Sponsor - \$10,000 Event I wish to sponsor: ___ Welcome Reception ___ Opening Keynote Session ___ Keynote Luncheon		
___ Quantum Sponsor - \$7,500 Event I wish to sponsor: ___ Welcome Reception ___ Keynote Luncheon		
___ Gold Sponsor - \$5,000	___ Silver Sponsor - \$2,500	___ Copper Sponsor - \$1,500
___ Bronze Sponsor - \$750	___ Student Sponsor	___ Other Sponsor: \$_____ I wish to help sponsor: _____
Booth Number Requested _____ (See floor plan.) <i>This pertains to Diamond, Platinum, Quantum and Gold Sponsors.</i>		

Exhibits:

___ Booth (8 feet x 10 feet) \$1,750 <ul style="list-style-type: none"> One (1) Full Conference Registration Pre-Registration list (excluding any opt-outs) Link from NAEP website to yours, plus your logo on the website 	___ Table Top (6 feet x 30 inches) \$1,200 <ul style="list-style-type: none"> One (1) day registration Pre-Registration list (excluding any opt-outs) Link from NAEP website to yours, plus your logo on the website
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Ads: Specifications and Fees

- _____ **Full Page** (7.25 wide x 10 high) **\$1,600**
- _____ **Half Page** (7.25 wide x 4.75 high) **\$850**
- _____ **Quarter Page** (3.375 wide x 4.75 high) **\$500**
- _____ **Business Card** (3.375 wide x 2.125 high) **\$250**

Digital Specifications:

- Only digital files will be accepted.
- Black and white or grayscale JPEG 600 resolution at 100% size, or high resolution PDF.
- Files must be smaller than 4 MB.

Send all ads to: Ann Mitchell amitchell@ahredchair.com

Ad Submittal Deadline: February 6, 2017

Payment Information:

_____ Check	_____ Visa	_____ MasterCard	_____ American Express
Credit Card Number:			
Expiration Date:		Verification Code:	
Name on credit card:			
Billing address for credit card:			
Billing City:		State:	Zip:

Mail checks to:

NAEP
1120 Rt. 73, Suite 200
Mount Laurel, NJ 08054
Att: Ann Mitchell

Questions: Ann Mitchell
NAEP Conference Manager
Ph: 856-793-0782
E-mail: amitchell@ahredchair.com

Cancellation Policy: If written cancellation is received by January 20, 2017, a full refund MINUS a \$100 administrative fee will be given. If cancellation is received after January 20, 2017 and before February 10, 2017, an 80% refund MINUS a \$100 administrative fee will be given. After February 10, 2017 refunds will not be given.