

30th Annual ENVIRONMENTAL PERMITTING Summer School

General Information

WELCOME TO THE FLORIDA CHAMBER'S 30th ANNUAL ENVIRONMENTAL PERMITTING SUMMER SCHOOL

Course produced by Florida Environmental Network, Inc., under licensing agreement with the Florida Chamber Foundation.

hoose a personalized curriculum by selecting 10 out of 75 offered courses. Take advantage of the Chamber's unique "break-out" format, which provides for small class sizes and the opportunity to interact with other attendees and instructors. In addition, you may register for one of our Early Bird Discussion Sessions taught on Tuesday, July 19. All of this allows you to earn continuing education credits and enjoy numerous opportunities to network in a relaxed social setting with the leadership of Florida's environmental community.

LOCATION

Marriott Orlando World Center located at 8701 World Center Drive, Orlando, Florida, 32821.

HOTEL RESERVATIONS

The Marriott Orlando World Center is offering special rates for Summer School attendees of \$165 single/double. This very economical rate is available from Saturday, July 16 to Sunday, July, 24. To reserve a room, contact the Marriott at 888-789-3090 or register directly from our website at www.floridaenet.com. Identify yourself as a Florida Chamber Summer School attendee. The cutoff date to ensure this room rate is June 25; however, the room block may be fully booked prior to that date. Early registration is advised. Note: Rooms booked at the conference rate that are not utilized by attendees of the conference are subject to rate change or cancellation.

BRING THE FAMILY

Discover the completely redesigned Orlando World Center Marriott. This impressive Orlando resort hotel is the quintessential destination for meetings and families alike. Experience the luxury Orlando resort's newly renovated Falls Pool

Oasis featuring a new slide tower with two 200-foot winding waterslides and one 90-foot speed slide, a dedicated kid's splash park, interactive game room, and more. An ideal choice for event professionals, the resort boasts 450,000 sq feet of flexible, state-of-the-art event space and functional meeting facilities. From 18 challenging holes of championship golf, award-winning restaurants and a rejuvenating full-service spa – this resort inspires guests to engage, relax, retreat, work and play. Escape to this resort located only 1.5 miles from Disney World and just minutes from SeaWorld Orlando, Universal Studios and Legoland.

COURSE MATERIALS

The course materials provided for this conference cover all breakout sessions. The course materials are included in your registration fee and will be posted on an FTP site following the conference. Information on how to access the site will be forwarded to all attendees following the conference.

REGISTRATION FEES

Environmental Permitting Summer School begins on Wednesday, July 20 at 8:00 a.m. and concludes on Friday, July 22 at 12:10 p.m. The fee for members of the Florida Chamber is \$545 and for non-members \$575. Registration fee includes course materials from all sessions accessible from an FTP site, continental breakfasts, refreshment breaks, two lunches, reception, other social functions and a Summer School t-shirt. There are also four "Early Bird" Discussion Sessions being offered which will be held Tuesday, July 19 from 1:00 - 5:00 p.m. Summer School attendees can attend one of the "Early Bird" discussion sessions for an additional fee of \$75. The "Early Bird" sessions cannot be attended as a stand-alone offering.

CONTINUING EDUCATION

FLORIDA BAR — Summer School participants will have the opportunity to earn Continuing Legal Education credits through the Florida Bar's Designation Plan. The summer school has applied for 21 hours of general credit, plus an additional 3 hours of credit for those attending an "early bird" discussion session.

ENGINEERS — Florida Environmental Network, Inc. is an approved provider (0003339) of continuing education credits for registered engineers through the Florida Board of Professional Engineers. Engineers can receive 20 PDHs by attending the Summer School program. Applicable forms will be available at the conference for those wishing to apply for credit. In addition, 1 hours for Board Laws and Rules have been approved for attendees of Early Bird Session "C".

FLORIDA BOARD OF ARCHITECTURE -

Individuals may apply for architect credit through DPBR by submitting a copy of this brochure, individual class schedule, certificate of attendance, and \$25 fee to DPBR, Board of Architecture and Interior Design, 1940 N. Monroe Street, Northwood Center, Tallahassee, FL 32399-0751.

LICENSED ENVIRONMENTAL PROFES-SIONALS - This course has qualified for continuing education (CE) credits through the International Society of Technical and Environmental Professionals, Inc. (IN-STEP). Credits apply to those currently registered by this association. Participants will receive 1 CE credit for every actual hour of instruction. LEP's may enter their credits on the LEP Center Section of the INSTEP website.

WHO SHOULD ATTEND?

Attorneys

Architects

Landscape Architects

Surveyors & Mappers

Environmental Managers

Elected Officials

Property Appraisers

Property Assessors

Local Government

Technical & Environmental

Professionals

Local Chambers

Water Management Districts

Builders & Contractors

Business and Industry

Engineers

Planners

Realtors

Landowners

Developers

Citizen Groups

Agribusiness

Tax Assessors

Economic Development

Councils

Regional Planning Councils

Schedule of Events

TUESDAY, July 19

11:00am - 1:00pm 11:00am - 5:00pm 1:00pm - 5:00pm

EARLY BIRD ON-SITE REGISTRATION SUMMER SCHOOL EARLY REGISTRATION CONCURRENT "EARLY BIRD" DISCUSSION

SESSIONS (additional fee required)

Early Bird "A" - Facing Florida's Water Challenges Early Bird "B" - Extreme Environmental People Skills Early Bird "C" - Board Laws and Rules for Engineers Early Bird "D" - Exclusive Tour of Disney's Reedy Creek Improvement District

WEDNESDAY, July 20

7:00am - 5:45pm SUMMER SCHOOL ON SITE REGISTRATION AND CHECK IN

7:00am - 8:00am **CONTINENTAL BREAKFAST - EXHIBIT HALL** 8:00am - 8:30am **OPENING SESSION – WELCOME REMARKS**

Moderator: Herschel Vinyard, Foley & Lardner

8:30am - 10:10am FIRST SERIES OF COURSES 10:10am - 10:30am **REFRESHMENT BREAK** - EXHIBIT HALL

10:30am - 12:10pm SECOND SERIES OF COURSES

12:10pm - 1:30pm **LUNCHEON** - Roundtable Discussion "Moving Forward Under DEP's Current Leadership Team"

> Keynote Speakers: Secretary Jon Steverson, Chief of Staff Lennie Zeiler, Deputy Secretaries Paula Cobb, Drew Bartlett, and Gary Clark, General Counsel Fred Aschauer, Florida Department of

Environmental Protection

1:30pm - 3:10pm THIRD SERIES OF COURSES 3:10pm - 3:30pm **REFRESHMENT BREAK** - EXHIBIT HALL

3:30pm - 5:10pm FOURTH SERIES OF COURSES

5:30pm - 6:30pm **OPENING RECEPTION - EXHIBIT HALL**

THURSDAY, July 21

7:30am - 8:30am **CONTINENTAL BREAKFAST - EXHIBIT HALL** 8:30am - 10:10am FIFTH SERIES OF COURSES

10:10am - 10:30am **REFRESHMENT BREAK - EXHIBIT HALL**

10:30am - 12:10pm SIXTH SERIES OF COURSES

12:10pm - 1:30pm LUNCHEON AND DOOR PRIZE DRAWINGS BY SPONSORS AND EXHIBITORS

1:30pm - 3:10pm SEVENTH SERIES OF COURSES

3:10pm - 3:30pm **REFRESHMENT BREAK - EXHIBIT HALL** 3:30pm - 5:10pm

EIGHTH SERIES OF COURSES

FRIDAY, July 22

7:30am - 8:30am **CONTINENTAL BREAKFAST - EXHIBIT HALL** 8:30am - 10:10am NINTH SERIES OF COURSES

10:10am - 10:30am **REFRESHMENT BREAK - EXHIBIT HALL**

10:30am - 12:10pm **TENTH SERIES OF COURSES**

Early Bird Discussion Sessions

July 19, 2016 • 1:00 - 5:00 p.m.

EARLY BIRD "A": FACING FLORIDA'S WATER CHALLENGES

Florida's revitalized business environment, vibrant agricultural base, and world class tourism industry continues to attract growth. State experts predict that Florida's population may increase by 25% or more over the next twenty years. Although the State has significant water resources, traditional groundwater supplies in some regions of the State are not sufficient to meet all water use sectors' projected demands. In 2016, the Florida Legislature again endeavored to take steps to further ensure that water supply and water quality protection infrastructure will be in place to meet the growing demands of all economic sectors. The Legislature also continued to evaluate the State's implementation of science-based regulatory programs for protecting and restoring water quality and water flow in state springs, the Northern Everglades, and other state waters of significant concern. This panel of public sector, private sector, and environmental advocacy representatives will address the Florida Legislature's current approach to investing the revenue provided through Florida's Water and Land Legacy Constitutional Amendment and also analyze the key water legislation that passed, the bills that didn't, and what it all means for Florida's economy and environment. *Instructors: Herschel Vinyard (Moderator), David Childs, Ryan Matthews, Pete Antonacci, Eric Draper, Temperince Morgan, Stephen James, Chuck Drake, Rep. Katie Edwards*

EARLY BIRD "B": EXTREME ENVIRONMENTAL PEOPLE SKILLS

One of the most popular sessions we offer has been redesigned into an "Early Bird" session in order to provide for an even more enjoyable and instructional experience! The ultimate panel discussion for the environmental professional who desires to take on and resolve complex and controversial environmental disputes. The panel will focus on the importance of interpersonal skills, communication skills, the ability to resolve conflict and defuse contentious situations, effectively bringing together stakeholders to create complete solutions, how to persuade people, and what to do when it's "in the lawyers' hands"! This course is presented by a panel of experts from diverse disciplines, all experienced in designing and implementing processes for achieving "win-win" solutions for their students, clients and the public. Participants will be presented with real life case studies of successful problem solving techniques used in controversial environmental resource disputes, foolproof tools and processes for developing and organizing successful presentations and stakeholder meetings, and the secrets for good leadership, teamwork and consensus building. *Instructors: Kevin Hennessy (Moderator), Nandra Weeks, Jonathan Dain, Jessica Ireland, Dan DeLisi, Alan Krischer*

EARLY BIRD "C": BOARD LAWS AND RULES FOR ENGINEERS

- This Florida Laws, Rules and Ethics course is designed to be presented in a 2-hour interactive small group setting that helps to keep the practicing engineer up to date on the legal documents that govern the practice of engineering in the state of Florida. The topics that will be covered in this course will include the changes in the preceding biennium to Rule 61G15, Florida Administrative Code, as well as the changes in Chapters 455 and 471 of the Florida Statutes. In addition, some of the most recent individual disciplinary and unlicensed practice cases will be discussed in depth. The course will include information as follows:
 - Chapter 455 of the Florida Statutes
 - Chapter 471 of the Florida Statutes
 - Rule 61G15, Florida Administrative Code
 - Disciplinary and unlicensed practice cases as conducted by the Florida Engineers Management Corporation (FEMC)

Instructors: Michael Harding, George Powell

EARLY BIRD "D": EXCLUSIVE TOUR OF DISNEY'S REEDY CREEK IMPROVEMENT DISTRICT

Come join us for a VIP experience, provided exclusively for the Florida Chamber's Environmental Permitting Summer School! The tour will begin with a brief history of the origins of the Reedy Creek Improvement District, which was an extremely innovative way that Mr. Walt Disney chose to create what would become the world's largest theme park. Then, you will board a bus for a guided, behind-the-scenes tour of "the busiest place in America" and learn how the District efficiently manages all the needs of its largest tenant: Walt Disney World! Besides four theme parks, two water parks, one sports complex, 40,000 hotel rooms and hundreds of shops and restaurants, the District contains over 167 miles of roads, 67 miles of waterways, a state of the art environmental laboratory, an electric power-generating facility, a water treatment facility and an incredible recycling center! Sign up for the tour quickly, before the limited number of spaces run out! Transportation to and from the Marriott World Center is included.



Moderator

HERSCHEL T. VINYARD, JR.

Herschel T. Vinyard, Jr. is of counsel and an environmental lawyer for Foley & Lardner LLP. Mr. Vinyard has 25 years of environmental law, business and government experience, and counsels clients in industries, including manufacturing, real estate and construction, on a range of economic development, land use, environmental and other regulatory matters. He also provides traditional public affairs counsel to assist clients with navigating the legislative, regulatory and political landscape in Florida. He is a member of the firm's Environmental Regulation and Government & Public Policy Practices.

Prior to joining the firm, Mr. Vinyard completed a four-year term as Secretary of the Florida Department of Environmental Protection (DEP) during Florida Governor Rick Scott's first term. He was involved in the regulation of nearly all aspects of development in the State of Florida, including environmental permitting, water rights and real estate development. During his time as Secretary of Florida's DEP, Mr. Vinyard ended a two-decade-long legal dispute over restoration of the Everglades, established a nutrient reduction program for waterways and worked to protect the state's natural springs. He also continued to increase access to Florida's state parks and, under his leadership, the Florida Park Service won a National Gold Medal Award from the National Recreation and Park Association, designating his park system as the best in the nation.

Mr. Vinyard obtained both his law degree and bachelor's degree from Louisiana State University.

Keynote Panel

MOVING FORWARD UNDER DEP'S CURRENT LEADERSHIP TEAM

This year's luncheon will include an unprecedented keynote panel consisting of the entire DEP executive management team! In what is sure to be a memorable event, the DEP Secretary and his leadership team will discuss the vision, mission and objectives of the agency as well as the latest changes which have occurred over the last year. Come hear what is ongoing and planned for 2016-2017, straight from the decision-makers themselves! Audience participation encouraged!

JON STEVERSON

Jon Steverson currently serves as the Secretary of the Florida Department of Environmental Protection. Steverson is a member of the Florida Bar and trained as a litigator in the private sector before entering the world of public policy to represent the Florida Association of Counties before the Florida Legislature, the Governor and Cabinet, and numerous agencies and commissions.

Steverson's work for local governments led to an invitation by the Governor's Office of Policy and Budget to participate in the formation and promotion of far-reaching restructurings of growth management, eminent domain, water, and energy policies in the State. Steverson's tenure in the Governor's Office spanned two administrations before he left the post of Environmental Policy Coordinator to reenter the private sector to represent clients in the areas of water policy, growth and environmental planning, as well as agriculture, transportation and economic development.

Steverson returned to public service to serve as Special Counsel on Policy and Legislative Affairs to Secretary Herschel Vinyard at the Florida Department of Environmental Protection and also assisted the Department as acting Deputy Secretary for Water Policy and Ecosystem Restoration, prior to beginning his tenure as Executive Director of the Northwest Florida Water Management District in June of 2012. At the District, he oversaw a restructuring of the agency and its budget that resulted in numerous benefits to the natural resources and communities throughout the Panhandle.

Steverson is proud to be a fourth generation northwest Florida native and resides in Tallahassee with his wife and two young sons.

PANELISTS: Lennie Zeiler (Chief of Staff), Paula Cobb (Deputy Secretary), Drew Bartlett (Deputy Secretary), Gary Clark (Deputy Secretary), Fred Aschauer (General Counsel)

Breakout Sessions

OVERVIEW AND UPDATE

A. FLORIDA'S ENVIRONMENT, WATER POLICY, THE 2016 LEGIS-LATURE AND BEYOND Absolutely the most current and reliable information available on what the 2016 Legislature passed (or considered but failed to pass) and why; assessment of Florida's changing political landscape with respect to environmental and water policy issues; comprehensive preview of what's expected with respect to implementation of 2016 legislation with a look ahead to the 2017 session and beyond; course designed for extensive audience participation. Instructors: Larry Sellers (moderator), Terry Lewis, Diana Ferguson, Andrew Ketchel, Frank Walker

B. FDEP REGULATORY AND POLICY UPDATE Always a timely and useful course to provide timely updates on the most current information and activities with the Department of Environmental Protection which we feel will be of most interest to our attendees; includes review and analysis of rules and policies recently adopted or under development and related implementation strategies within both Tallahassee and District offices; key/practical tips for all private/public regulated interests; course format designed for extensive audience participation. Instructors: Bill Preston (moderator), John Coates, Joseph Ullo, Justin Green, Drew Bartlett

C. WMD PLANNING, REGULATORY, AND POLICY UPDATE Excellent course designed to provide insight into the regulatory, planning, and water supply development programs of Florida's five water management districts; includes discussion of water resource development and water supply planning; adoption and implementation of MFLs; integration of Florida Forever work plans with WMD land acquisition and management programs; ERPs, watershed planning, secondary and cumulative impacts, and other emerging programs and issues; audience participation encouraged. Instructors: Eric Olsen (Moderator), Brenna Durden, Jack Furney, Nicolas Porter, Len Lindahl, Lisa Kellev

- D. ENVIRONMENTAL PERMITTING AND ENFORCEMENT UPDATE Timely and informative update on permitting and enforcement procedures utilized by environmental agencies; beginner to intermediate course; covers permits and permit renewals; construction and operation permits; time limitations; monitoring; agency enforcement of permit conditions; fines and other penalties; legal and ethical considerations; other emerging trends and issues including legislative review of agency rules and ratification of proposed rules; audience participation encouraged. Instructors: Dennis Stotts (Moderator), Silvia Alderman, Greg Strong, Bob Diemer, Lisa Kelley
- E. FLORIDA ENERGY POLICY OUTLOOK This course provides an overview and analysis of state and federal legislation, rule changes and litigation having a potential impact on energy policies and programs in Florida. The panel will also discuss specific efforts related to electrical generation, EPA's Clean Power Plan, oil and gas exploration and production, energy efficiency, alternative energy development, and the constitutional ballot initiatives related to solar energy. Finally, the panel with discuss recent changes to law and policy related to natural gas utilization, transportation, storage, and how the industry is responding, with an update from the Jacksonville Port Authority on the increasing use of Liquefied Natural Gas (LNG) in the maritime industry. This course is designed for extensive audience participation, and come prepared with your questions for this panel of experts! Instructors: Matt Leopold (Moderator), Justin Green, Timothy Riley, David Stubbs, Mike Markey

F. CURRENT TRENDS IN FEDERAL ENVIRONMENTAL REGULA-TION AND ENFORCEMENT Several priority initiatives at the federal level have resulted in significant changes to policies and regulations across a wide spectrum of environmental laws. This session examines trends in enforcement, permitting requirements and federal environmental policy. One driving issue continues to be climate change which portends sweeping changes to the laws, rules, and agency policies relating to the control and management of greenhouse gas emissions. Another issue involves EPA's attempts to expand regulatory authority over "waters of the US" which the subject of ongoing litigation. These and other federal issues will be discussed by our well informed panel. Come prepared to listen, learn and participate. Instructors: Rafe Petersen (moderator), Julie Kendia-Schrader, Kelly Finch, Kathryn Rossmell, Dan Thompson

EMERGING ISSUES AND ADVANCED DISCUSSION

G. TAKING LAND AND WATER RESOURCES MANAGEMENT TO THE "NEXT LEVEL" To achieve Florida's long term resource management goals, land managers must use innovation to increase efficiencies and improve productivity in order to ultimately enhance resource value. This timely and informative course was requested by DEP to provide for an advanced discussion of how new data and tools are being applied in order to meet or exceed resource management objectives. Audience participation is encouraged. Instructors: Gary Clark (Moderator), Wes Howell, Greg Knecht, John McGuire, Brett Cyphers

H. IMPLEMENTING THE FLORIDA LAND AND WATER CONSERVA-TION AMENDMENT Amendment 1 to the Florida Constitution was approved by 75% of those who voted on the measure in November, 2014. This very significant amendment provided for 1/3 of the excise tax on documents will continue to flow to the Land Acquisition Trust Fund for a 20-year period, presumably to be used for a variety of existing and proposed water and land protection, and restoration programs. Our panelists will discuss how the Florida Legislature has decided to further implement the amendment in its third year of existence. Implementation of the amendment has certainly not been without litigation and controversy and this should be an interesting discussion to say the least! Come prepared to listen, learn and participate in this timely and important panel discussion. Instructors: Cari Roth (Moderator), Eric Draper. Greg Munson, Gary Clark, Drew Bartlett, Noah Valenstein

I. & J. LAKE OKEECHOBEE AND THE ESTUARIES: A WATER MANAGEMENT BALANCING ACT The 2016 Legislature just passed a significant update to the Northern Everglades and Estuaries Protection Program (NEEPP), including incorporation of newly adopted Basin Management Action Plans (BMAPs) and setting new restoration milestones. This 2-part course of advanced discussion will focus on the latest issues facing the management of Lake Okeechobee and the estuaries and their effect on water supply, water resources, and environmental restoration throughout South Florida. The panel represents a diverse cross section of government (federal, state, and local), private landowners, tribal entities, and environmental and agricultural interests.

Part I – Lake and estuary management - The panel will discuss how Lake management decisions affect their differing interests and obligations and the varying issues that must be balanced to make effective decisions. Part II – Latest developments and near term predictions - They will focus on the very latest developments affecting the Lake and estuaries, including the applicable provisions of the 2016 Water Policy Bill, status of the Lake Okeechobee Regulation Schedule, schedule for the Herbert Hoover Dike Rehabilitation, endangered species, and status of the Comprehensive Everglades Restoration Plan projects and what can be expected over the coming year. Instructors: Luna Phillips (Moderator), Tim Murphy, Len Lindahl, Drew Bartlett, Deb Drum, Ernie Barnett, Steve Dwinell, Eric Draper, Michelle Diffenderffer

K. NEW EPA REGULATION TO REDEFINE "WATERS OF THE US" Come get the latest information from this panel of experts on the EPA's new regulation to redefine "waters of the US". It is now a subject of court action, and this timely and important course will review what the rule could mean for Florida's regulatory process should the rule be implemented in its current form. According to the rule, most if not all water conveyances that have a "bed, bank, high water mark, and a connection to waters of the US would become regulated by the federal government. Once deemed jurisdictional, proposed projects could trigger a number of regulatory requirements which this very timely session will examine. Audience participation is encouraged. Instructors: Greg Munson, Larry Liebesman, Jeff Clark

L. PERMITS UNDER ATTACK: DEFENDING YOUR PERMIT FROM ALL CHALLENGERS Permits, approvals, and other agency authorizations are critical to your company's business. But challenges in courts of law and public opinion are becoming increasingly common. These attacks threaten to delay, derail, or undo your permitting effort. This course, again updated for 2016, is designed to help you navigate the steps you can and should take both to plan for and to defend your permit from such challenges. It will include practical advice on how to successfully survive a permit challenge, including identifying key vulnerabilities, building a defensible record, and other early steps to help ensure the long-term success of your efforts. It will also cover defense of your permit in administrative and judicial proceedings, as well as other settings. Audience participation is encouraged. Instructors: Joseph Fleming, Larry Curtin, Doug Hall

M. PERMITTING & MITIGATION CHALLENGES FOR TRANSPORTA-TION CORRIDORS, PORTS & INTERMODAL LOGISTIC CENTERS Between the prospect of the completion of the Panama Canal and the expansion of ports to accommodate larger container ship and the expansion of the cruise industry with the construction of larger and larger ships, Florida's ports are needing to expand and update facilities. Transportation corridors to and from the ports are constantly in need of updating and expansion to meet the cargo and passenger traffic. Many of Florida's ports are reaching capacity at the ports and needing offsite intermodal alternatives for cargo and parking to meet these expansions. The ideas behind the strict concept of federal mitiaation rules are potentially changing. This panel will discuss the challenges and emerging concepts in wetland and stormwater analysis and mitigation. Come prepared to listen, learn and participate! Instructors: Don Deis (Moderator), Carl Spirio, Debbie Wegmann, Jeff Prather, Rachel Vandenberg

N. COMPREHENSIVE WATERSHED EVALUATION, PLANNING AND MANAGEMENT In-depth examination of continued agency emphasis on watershed management as a means of comprehensively integrating a variety of planning and regulatory programs currently implemented by DEP and water management districts; these include TMDLs, stormwater construction, NPDES, PLRGs, and both structural and non-structural floodplain planning and management; practical considerations; organizing stakeholders; discussion of need for statutory changes as well



as changes to current agency practices. Audience participation encouraged. Instructors: Steve Lienhart, Ann Redmond, Mark Ellard, Tom Frick, Lee Mullon

O. EMERGING ISSUES IN ENVIRONMENTAL DUE DILIGENCE Very informative discussion of emerging trends and issues that impact the environmental due diligence process including changing arsenic and VOH standards, issues arising from foreclosures, consumptive use restrictions and other regulatory challenges as may apply; practical considerations in closing land transactions when there are unresolved issues and how to address those issues and much more; audience participation encouraged. Instructors: Cristina Lumpkin (Moderator), Vince Yarina, Kelly Eger-Smith, Kirby Stallings, Susan Martin

P. YOU, ME, AND THE AGENCIES: TECHNIQUES FOR SUCCESSFUL NEGOTIATION THROUGH COMPLEX REGULATORY SCENARIOS An interactive discussion for ensuring sure and positive dialogue when communicating with environmental regulatory agencies at the local, state and federal levels. Preparation, organization, as well as an understanding of both the regulation and the processes, can go a long way to facilitating a smoother and certainly more positive outcome. In addition to being technically prepared, knowing the agency representatives, their role in the organization, and their scope of authority can be as critical as having a thorough understanding of the applicability of the various rules and regulations. Here's your chance to receive expert advice from four instructors who've learned these lessons. Instructors: Peter Partlow, Amanda Brock, Anna Long, Doug Halsey

Q. PROPERTY RIGHTS 101 This course provides a basic overview of private property rights in Florida. Specifically, it discusses the basics of takings jurisprudence, the Bert J. Harris, Jr. Private Property Rights Protection Act, and other limits on government action that affect private property. For the private property owner, this course provides an overview of their rights. For the state and local government official, this course provides a roadmap for avoiding property rights litigation. Audience participation is encouraged. Instructors: Mo Jazil (Moderator), Jake Cremer, Brian Bolves, David Goldstein, Chris Emmanuel

R. RECENT DEVELOPMENTS IN PROPERTY RIGHTS This course discusses recent state and federal legal decisions, legislative proposals and enactments, and anything else of interest to those who deal with the nitty-gritty of private property issues. It is intended for the seasoned practitioner; however, all are encouraged to attend. Audience participation is encouraged. Instructors: Mo Jazil (Moderator), David Smolker, Amy Boulris, Jim Burling

S. DEVELOPMENT IN ENVIRONMENTALLY SENSITIV E AREAS: STRATEGIES FOR AVOIDING LITIGATION UNDER NEPA, CWA, A N D ESA Public and private sector projects located near wetlands, endangered species habitat or other protected areas are often opposed by individuals and organizations during permitting proceedings as well as in federal court. Avoiding litigation, and building a winning administrative record should litigation become unavoidable, must begin prior to application submittal and continue during application review. This course is ideal for lawyers, managers, and consultants who work on large or controversial projects involving wetlands, endangered species or protected natural resources. Instructors: John Wharton (moderator), Mike Dennis, John Lesman, Kerri Barsh, Gisele Colbert

T. IMPLEMENTING THE RESTORE ACT IN FLORIDA Following the Deepwater Horizon, oil spill Congress passed the Resources and Ecosystems Sustainability, Tourist Opportunities, and Revived Economy of the Gulf Coast Act (RESTORE Act) that provides a mechanism to hold the responsible parties financially accountable for restoring the Gulf. Signed into law in 2012, the Act has generated unprecedented funding for both ecological and economic restoration of the Gulf Coast. Among the five affected states Florida is unique with regard to the role of its 23 Gulf Coast counties, as well as the large geographic extent of the coastline - both north to south and east to west - and the associated diversity of coastal ecosystems and communities. This timely course will provide: an overview of the RESTORE Act; the status of litigation with the responsible parties; current and projected funding levels available to Florida Gulf Coast counties; ongoing federal, state and local government coastal planning efforts; the types of projects, programs and activities eligible for funding; and an overview of other related funding streams for Gulf Coast restoration. Furthermore, this course will provide the viewpoints of key representatives from federal, state and local government, NGOs, and the private sector as this process draws to a conclusion. Instructors: Doug Robison (Moderator), Darryl Boudreau, Erin Deady

U. RISK MANAGEMENT FOR ENVIRONMENTAL CONSULTANTS Environmental consultants spend their days managing their clients' environmental risk, but often don't devote nearly as much attention to the risks in their own line of work. This panel will discuss the risks associated with environmental consulting, and present concrete strategies and tips for managing those risks. Panelists will share best work practices, protective contract language, and other risk management tools like insurance and bonding. Instructors: Greg Munson, Brent Anderson, Veronica Benzinger, Toby Overdorff

V. THE STRATEGIC ROLE OF INFORMATION TECHNOLOGY IN REGULATORY REFORM, REGULATORY PROCESS EFFICIENCY AND IMPROVED COMPLIANCE OUTCOMES In virtually all aspects of our lives, Information Technology has changed the way we communicate with others, access information, entertain ourselves and conduct commerce. But, how has the "IT revolution" affected the way we are regulated? In this completely new course, a panel of IT professionals and regulators will discuss the ever expanding role of IT in the "business of regulation" in a thought-provoking and interesting way. Significant IT initiatives have emerged from DEP over the last 5 years, including e-Permitting, improved access to public records through GIS, and electronic submittals of compliance data. You will hear from the agency's perspective about how these investments have paid off (or not) and what is planned for the future. You will also hear from a significant user of these electronic services how they are working (or not). Don't miss what is sure to be a lively discussion, and come prepared to learn about and participate in the IT revolution!

Instructors: Louis Smith, Tara Crews, Warren Sponholtz, Justin Green, Greg Strong

GROWTH MANAGEMENT UPDATE

W. NEW POLICY DIRECTIONS FOR GROWTH MANAGEMENT In 2011 the Florida Legislature fundamentally changed Florida's growth management process when it abolished the Department of Community Affairs and modified the state's authority to review and approve local government comprehensive plans and plan amendments. What remained of the state planning process was transferred to the Division of Community Development within the Department of Economic Opportunity. Since that time, government at all levels, lawyers, developers and

planners have adjusted to dramatically changed laws, rules and policies. This informative course will update you of the current status of implementation of growth management and comprehensive planning laws and rules at both state and local levels. The course is updated each year to bring new legislation, emerging issues, and examples of local government innovation to your attention. Audience participation encouraged. Instructors: Nancy Linnan (Moderator), Val Hubbard, Janet Bowman, Julie Dennis, Dan Delisi, Kerry Godwin

X. STRATEGIC PLANNING AND PERMITTING FOR DEVELOPMENT Practical and informative course designed to address strategies for obtaining environmental and growth management approvals for land development projects under Florida's current laws and agency practices;; consideration of effects of recent legislation and administrative actions taken by the Executive Branch; discussion of successful approaches to processing and obtaining environmental permits from regulatory agencies, determinations of when to obtain the required permits and in what order. and the level of specificity and procedural requirements of each agency. Course to also cover tracking and managing activities for compliance with permit conditions, tips for gaining the respect of regulatory agencies, and steps that should be taken to avoid costly enforcement litigation. Audience participation is encouraged. Instructors: Kim Woodbury, Dennis Mele, Abbey Navlor, David Powell

Y. WHAT'S AHEAD AND WHY—COMPREHENSIVE PLANNING AND DEVELOPMENTS OF REGIONAL IMPACT This timely and important update will cover any changes by the 2016 Legislature with respect to comprehensive planning and DRIs, as well as any pending changes in growth management programs and policies; discussion of potential changes and new directions for DRIs, as well as processes related to large non-DRIs in Dense Urban Land Areas; determination of whether the benefits of the DRI process justify the time and expense; evaluation of better outcomes which could be achieved through a different process; and examination of pros and cons of rescinding existing DRIs. Excellent and always timely course. Audience participation is encouraged. Instructors: Randi Fitzgerald, Dave Mechanik, Joel Ivey, Darrin Taylor

Z. TRANSPORTATION PLANNING: HOW DO WE GET THERE FROM HERE? State, regional and local transportation infrastructure deficiencies and related transportation mitigation costs can make or break development in Florida. Failure to address in-adequate infrastructure remains a significant hurdle to both developers and local governments. Join this panel to learn what's new in 2016 and how to maximize development potential while reducing mitigation costs through cooperative funding, innovative traffic analysis, multi-modal applications, and other innovative solutions. Instructors: Tara Duhy (Moderator), Adam Kerr, Elizabeth Whitton, Ken Metcalf

AA. "SMART GROWTH - THE ECONOMICS OF PLACE" Provides an in-depth look at how public realm investments can create a significant return on investment by creating "great places". We will explore how the built environment of these great places spurs economic development and creates livable, sustainable communities through case studies from around the Country. The discussion will include the implementation of Complete Streets, Walkable Communities, Trails, Parks, and Art Hubs, as well as best practices that are transferrable to all communities, large and small; audience participation encouraged. Instructors: Rhea Law, Vashon Sarkisian, Tyler Johnson, Heather Himes

BB. URBAN AGRICULTURE This innovative new panel will address the emerging issues related to the planning and environmental

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benefits of integrating agriculture into the urban environment, as well as associated risks. Various approaches taken by cities across the US will be discussed, including their objectives, incentives, and regulations. Then, the panel will shift its focus to Florida – including the actions taken by the City of Orlando to integrate urban agriculture into its sustainability efforts, steps being taken by other Florida urban areas to integrate urban gardens and farms, micro-livestock and urban beekeeping with other urban activities. Come prepared to learn and participate in this exciting new topic! Instructors: Martha H. Chumbler, Chris Castro, Dr. Nicole Penichet, Sorell Negro

CC. STRATEGIZING, HANDLING, AND DEFENDING CLIENTS' INTERESTS AT LOCAL QUASI-JUDICIALPROCEEDINGS This presentation provides both legal and practical insights into preparing for and managing local quasi-judicial proceedings. It also provides insights on dealing with denials and challenges to your client's interests. This presentation will focus on strategic matters, provide useful tips, examine new and developing legal issues, and address technical issues, particularly in traffic concerns and challenges. Instructors: Chris Torres (Moderator), Gordon Schiff, Randy Coen

SPECIAL COURSE SERIES ON AIR QUALITY, ENERGY, SUSTAINABILITY, AND CLIMATE CHANGE

DD. NEW DEVELOPMENTS IN AIR QUALITY REGULATIONS EPA continues to aggressively issue new rules and guidance, many of which are already being implemented by DEP. This panel will provide an overview of the major initiatives, with focus on how your normal business operations will be affected. EPA continues to aggressively pursue the Obama administration's Climate Action Plan, and perhaps even more so in light of the world wide climate change accord. This timely and informative course will also examine the impact of EPA's SIP Call regarding startup, shutdown and malfunction emissions and the wide-ranging implications of the National Ambient Air Quality Standard for ozone and SO2. Other issues to be discussed include current state implementation of other federal air rules, the latest developments regarding the CSAPR and EPA's next transport rule, and a unique company-specific perspective on how air regulations are impacting operations in Florida. This informative session is designed to help you stay current on the latest rules and policies - Come prepared with your questions for this panel of experts. Instructors: Robert Manning, Justin Green, Michael Ballenger, Ken Kosky, Max Lee

EE. INTEGRATING LID INTO LOCAL GOVERNMENT STORMWATER PROGRAMS: A USERS GUIDE Traditional stormwater BMPs can be land-intensive and tend to fall short of the nutrient load reductions needed to protect our receiving waters. An expanded BMP toolbox improving on traditional stormwater treatment practices and incorporating LID practices is needed to address this problem. Local governments and some private developers are taking a leadership role promoting LID. By working with developers, designers, and other community stakeholders, local governments can effectively update Land Development Codes and adopt stormwater BMP design criteria to encourage the use of LID and better protect water resources. Instructors: Clark Hull (Moderator), Marty Wanielista, Steve Suau, Ryan Givens, Mike Hardin

FF. PLANNING FOR SUSTAINABILITY 101 This session will briefly describe the goals of sustainability and the technical issues that need to be addressed for implementation. An overview of easily adoptable sustainable practices for developers and local governments will complement background information and historical perspective from certifying organizations including the USGBC and FGBC. Discussion of in place ordinances such as Miami 21, LID codes and project funding plus discussion of the future of sustainability both locally and nationally complement this roundtable discussion. Instructors: Cecile Piverotto (Moderator), Jennifer Languell, Amy Wicks, Clay Henderson, Diana Velasquez

GG. RESPONSES TO SEA LEVEL RISE AND CLIMATE CHANGE Very timely and informative course designed to explore some of the projected impacts of climate change on existing water resource management and regulation. The panel will provide an overview of the current science of climate change with a specific focus on documented and projected impacts in Florida. The discussion will identify current and future regulatory implications of sea level rise and water supply and water resource management. Both Florida and national models will be discussed. The speakers will identify emerging state and federal laws, policies. and regulations that address sea level rise. This session will examine potential adaptation, mitigation and resiliency strategies to protect future water supplies for people and the environment, including a discussion on infrastructure level of service implications and anticipated hurdles to adaptation strategy implementation. Instructors: Shane Laasko (Moderator), Erin Deady, Rhonda Haag, Jennifer Jurado, Danielle Irwin, Thomas Ruppert

HH. FLORIDA'S RENEWABLE ENERGY PROJECTS: UPDATES, OUTLOOK, AND CHALLENGES Hear the latest on renewable energy projects and policy in Florida, including solar, ocean, biofuel, biopower, and wind. During this informative roundtable discussion, the panel will focus on the development opportunities and challenges currently facing renewable energy projects within the state. Course to include a status report on existing and proposed renewable energy projects, as well as why some projects are moving forward while others appear to be stalled. The panel will also discuss recent marketplace, legal, and policy developments on the state and federal level affecting the renewable energy sector. The experts on this panel will discuss some of the most difficult challenges for a project's success, including the due diligence needed for selection of the ideal site. This panel will also focus on critical issues and challenges that could arise for any renewable energy project that could ultimately "make or break" a particular project. If you have any interest in renewable energy projects in Florida, you should attend this session! Instructors: Manitia Moultrie (moderator), Joseph Brown, J.L. "Buck" Martinez, Mike Cooke

II. EPA'S CLEAN POWER PLAN: A GAME CHANGER OR NON-EVENT FOR FLORIDA? Last year EPA finalized new rules under the Clean Air Act intended to reduce carbon emissions from existing power plants by more than 30 percent below 2005 levels. The controversial program currently under appeal and known as the "Clean Power Plan" establishes state-specific targets and requires each state to develop a plan on how to get there. The panelists, including Florida DEP Deputy Secretary Paula Cobb and Mike Kennedy with Duke Energy, will discuss Florida's "target" under EPA's Clean Power Plan, state-level planning (including potential compliance timelines and mechanisms), and how the Supreme Court's stay could affect that planning. This panel promises interesting discussions on how EPA's Clean Power Plan could affect Florida energy policies, grid reliability, other industry sectors, and the state's economy. The speakers also will outline the major issues on appeal and possible outcomes, including a probable timeline, the likelihood of the Florida Legislature jumping in, and to what extent the Public Service Commission might be involved. You will not want to miss this opportunity to hear the latest about the Clean Power Plan—it certainly could be a GAME CHANGER here in the Sunshine State! Instructors: Angela Morrison (Moderator), Scott Osbourn, Mike Kennedy, Paula Cobb, Richard Stoll, Michael Ballenger

FLORIDA'S WATER SUPPLY CHALLENGES: ISSUES AND ANSWERS

JJ. & KK. EMERGING WATER SUPPLY ISSUES Advanced discussion of multiple issues including emerging challenges in meeting future water demands; innovative water supply projects; meeting the conceptual costs of distribution and storage of reclaimed water; legal and policy issues regarding the control of reclaimed water for future public and private reuse; and regulatory challenges. Audience participation is strongly encouraged!

Part I – Innovative thinking to address future water supply needs. What innovative water supply projects are emerging around Florida? How are utilities and other significant water users being supported now and into the future?

Part II – Implementing future water supply needs – funding and acceptance of projects. How does the implementation of the Florida Land and Water Conservation Amendment impact future water supply? How do we engage the public and improve awareness of future water supply needs?

Instructors: Craig Varn (moderator), Ed de la Parte, Roger Sims, Ryan Matthews, Brian Armstrong, Ann Shortelle, Beth Lewis, Mark Thomasson

LL. NORTH FLORIDA WATER CHALLENGES Water availability in North Florida remains a controversial topic. Rule challenges to minimum flows and levels have come and gone and come again, the Legislature has again addressed protection of the region's springs and a major overhaul of the groundwater model for the region will be implemented by the district. Join this panel for a well-rounded look at key north Florida water issues over the past year, including a look back at what happened (and didn't happen) in the Legislature. Instructors: Ann Shortelle (Moderator), Rick Hutton, Brett Cyphers, Carlos Herd

MM. CENTRAL FLORIDA WATER INITIATIVE DEP's Central Florida Water Initiative (CFWI) is easily Florida's most important and far-reaching inter-district water management analysis and program ever undertaken. CFWI efforts focus on a water deficit area that includes five central Florida counties, and involves three water management districts, the Florida Department of Agriculture and Consumer Services, as well as several regional public water utilities, landowners, local governments, agriculture and various other stakeholder interests. Goals and guiding principles of CFWI include identifying sustainable sources of traditional water supplies, developing strategies to meet water demands exceeding available supplies, and providing for consistency among water management districts in reaching water



supply goals and objectives. This important effort has already influenced changes to Florida water law and policy, including legislation enacted by the 2016 Florida Legislature, with many more expected to come. Here's your chance to listen, learn, and participate during this "must attend" course. Instructors: Eric Olsen (Moderator), Ryan Matthews, Robert Beltran, Len Lindahl, Beth Ross

NN. LINKING GROWTH WITH WATER SUPPLY AVAILABILITY Discussion of integrating regional water supply plans of local government with the plans and projects of water utilities through a prescribed planning process requiring cooperation between water management districts and local and regional water management districts and local and regional water utilities; regulatory incentives for the development of alternative water supplies; financial assistance for utilities; linking the growth management plans of local governments with the plans and projects of water utilities; applying the principles of consistency with concurrency as set forth in Florida law and implementing rules. Audience participation is encouraged. Instructors: Segundo Fernandez, Dave Depew, Mark Farrell

OO. MINIMUM FLOWS AND LEVELS: FLORIDA'S NEXT GREAT REGULATORY CHALLENGE To prevent significant harm to the water resource, the water management districts must adopt minimum flows and levels for waterbodies and groundwater according to an annual priority list. If the waterbody does not meet, or is projected not to meet, the adopted minimum flow or level, the district must adopt a recovery or prevention strategy. Going through this process, the water management districts have found that many waterbodies are below their established minimum flow or level and thus require a recovery or prevention strategy. Some districts are re-evaluating their minimum flows and levels to see if they were set correctly. Minimum flows and levels and their associated prevention or recovery strategies can affect water users by causing cutbacks on existing sources, forcing development of alternative water supplies, and forcing participation in aquifer or surface water body recharge projects, in each case creating general uncertainty. This course focuses on the process by which minimum flows or levels are developed and adopted, while also identifying where minimum flows or levels are already in place or are scheduled for adoption in the future, how water users are impacted, and what you can do to protect your water uses. Instructors: Doug Manson (Moderator), Mark Hammond, Mike Register, Terrie Bates, Matt Leopold

PP. EMBRACING WATER SUPPLY SUSTAINABILITY: THE CRITI-CAL ROLE OF ALTERNATIVE WATER SUPPLY AND REUSE As our population grows, the demand for water will also grow - and not just for human consumption. Growing the food to feed a hungry nation consumes a significant amount of water. Powering up homes and businesses for the latest in "gadgetry" also requires more electricity, which also requires volumes of water. As demand increases, the impacts of drought will become more pronounced, particularly in places that are vulnerable to extreme weather, like Florida. Thankfully, scientific advances and innovative technologies allow us to tap into alternative supplies, including reuse water, to provide a safe and reliable water supply for drinking, manufacturing, irrigation and eneray generation. While conservation is an important tool, states must incorporate alternative supplies and reuse in their water portfolios to meet their growing needs and protect against environmental degradation. The passage of SB 536 in 2014 and SB 552 in 2016 suggests that Florida is taking bold steps to achieve these goals. DEP just released its comprehensive study on how to expand the use of reclaimed water, stormwater and excess surface water in the state. SB 552 provides for significant improvements to the water supply planning and development

process. These significant efforts by the Legislature and DEP have the potential to guide the long-term strategy for water use and development in Florida. Join us for an intriguing discussion of the policies needed to advance alternative water supply and reuse in the Sunshine State, while highlighting successful policies and projects that have led to economic development, sustained agriculture, and environmental restoration. Instructors: Melissa Meeker (Moderator), Ann Shortelle, Mike Sole, JoAnn Jackson, Temperince Morgan

QQ. USING PUBLIC-PRIVATE PARTNERSHIPS TO SOLVE FLORIDA'S WATER CHALLENGE Florida is faced with significant water shortages projected to be an estimated 2 billion gallons per day by 2025 unless proactive action is taken. Florida is also confronting significant water quality challenges, including meeting recently enacted Numeric Nutrient Criteria, TMDLs and restoration targets. How can the private sector help public entities with these issues? Part of the solution may be the development of long-term contractual arrangements between public utilities and private land owners in the storage, production, reuse and treatment of water. The panel will discuss advantages and difficulties in developing public-private partnerships, recent legislative changes at the state and federal level, and success stories in meeting Florida's future water needs. This is a very timely and highly recommended course! Instructors: John Fumero (Moderator), Jack Fiveash, Pat Lehman, Ernie Cox

RR. DISPERSED WATER MANAGEMENT The Dispersed Water Management Program administered by the SFWMD encourages private property owners to retain water on their land rather than drain it, accept and detain regional runoff for storage or do both. Landowners typically become involved in the program through cost-share cooperative projects, easements, or payment for environmental services. Managing water on these lands is one tool to use in reducing damaging amounts of water diverted into lakes and estuaries for flood protection. Dispersed water management also offers many other environmental and economic benefits, including providing valuable groundwater recharge for water supply; improving water auglity and rehydration of drained systems; enhancing plant and wildlife habitat; and helping sustain the local economy by incentivizing landowners to provide great environmental stewardship. This timely and informative course will tell you all about it. Audience participation encouraged. Instructors: Ernie Barnett, Ernie Cox, Benita Whalen, Eva Velez

SPECIAL COURSE SERIES ON WATER QUALITY

SS. NEW DEVELOPMENTS IN WATER QUALITY PERMITTING Extremely informative course includes timely updates on new ways the Department of Environmental Protection and EPA are addressing water quality issues; also includes basic as well as advanced discussion on water quality discharge permitting, whether from industrial, domestic, or other discharge sources; emphasis on current agency practices, and updates on pending legal changes; emerging water quality issues affecting industry, regulations and the general population; excellent course designed for extensive audience participation. Instructors: Tim Atkinson (Moderator), Ric Fraxedas, Bruce Nocita, Ken Watson, John Coates

TT. THE NEXT GENERATION OF BASIN MANAGEMENT ACTION PLANS The Basin Management Action Plans (BMAPs) were a cornerstone of the significant water legislation that was signed into law this past session to address water quality concerns of the State's waters. Springs and South Florida

BMAPs were a specific focus and both require a large amount of nutrient reduction from all sources. Learn how the Department will implement BMAPs going forward to embody some of the changes passed into law, and also some of the changes needed to achieve more challenging reductions. Instructors: Drew Bartlett (Moderator), Tom Frick, Katie Hallas, Ernie Barnett, Ann Shortelle

UU & VV. IMPLEMENTING FLORIDA'S NUMERIC NUTRIENT CRITERIA After the many years of research, evaluation, debate, and litigation, numeric nutrient criteria can now be implemented in almost all categories of waters in the state. Implementation will generate significant business opportunities for consulting firms in the biological and engineering fields and laboratories (not to mention law firms). We have reserved an ample amount of time at the end of the course to answer questions, and engage in an informal give-andtake among the audience and panelists. This is not a course for the uninformed. Your course "text" will be DEP rules and documents governing the implementation of numeric nutrient criteria. Your instructors will discuss these rules with their strengths and weakness and potential pitfalls for permittees. There will be opportunity for exchange among panelists and audience during this highly technical, 2-part course designed to explore and provide an update on this extremely significant rule and how all affected parties are dealing with the numerous technical and legal issues involved in the application of NNC in Florida.

Part I – Status of EPA Rule and approval of state rules and DEP rulemaking in response to EPA approval. Status of rules on estuaries and coastal areas; Status of Litigation; Role of EPA, DEP and water management districts.

Part II – Implementation and impacts on permitting; procedure for dealing with artificial conveyances and impact of NNC on various permits and approvals; unique aspects of implementation in South Florida; dealing with NNC issues in permits that may involve springs, lakes, streams, estuaries and coastal areas; use of biological metrics; protection of downstream waters under state rule. Use of WQBELs and SSACs for NNC.

Instructors: Terry Cole (Moderator), Dan Hammond, Tom Frick, Matt Coglianese, Stan Posey, Dave Tomasko, Kurt Spitzer, Tony Janicki

WW. NUMERIC NUTRIENT CRITERIA FOR STORMWATER; EMERGING ISSUES This course will present background on numeric nutrient criteria (NNC) and related constraints and opportunities for integrated stormwater management solutions. Speakers will present both engineering and agency perspectives and case examples. This extremely important course will explore one of the least understood and perhaps the most challenging aspect of NNC compliance. Come prepared to ask questions and engage in an interesting and timely discussion of this important topic. Instructors: Russ Frydenborg, Gary Serviss, Tom Frick, Patrick Shearer

XX. WATER QUALITY CREDIT TRADING This course will discuss the regulatory framework surrounding water quality credit trading in Florida, trades that have occurred already, and the potential for trading throughout Florida in the future. Through the panel discussion and presentations, we will explore trading from the perspective of both point source discharges and nonpoint source dischargers. The panel will also discuss the successes and failures of other trading programs around the United States. Come prepared

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to listen, learn and participate. Instructors: David Childs, Ray Scott, Kurt Spitzer, Tom Frick, Debbie Madden

YY. USE OF WETLANDS FOR STORMWATER AND WASTE-WATER TREATMENT Wetlands can provide for natural, low-energy and environmentally beneficial water quality improvement. This course includes: an updated summary of principles and methods of successful treatment wetland design; overview of treatment wetland regulations in Florida; detailed case histories of point and non-point source wastewater treatment using wetlands, including stormwater, municipal wastewater, industrial wastewater, and agricultural discharges. This very informative course will also feature an overview of the world's largest treatment wetlands, the Everglades Stormwater Treatment Area, summarizing findings of the Science Plan on wetland performance and optimization. Audience participation is encouraged. Instructors: Jim Bays, Larry Schwartz, Chris Keller, Angelique M.K. Bochnak

ZZ. FLORIDA NPDES UPDATE Update on procedural and substantive considerations in permitting under NPDES program including stormwater; new regulatory developments including numeric nutrient criteria; program administration; case law update; enforcement and citizen suits; additional compliance considerations; how to interpret complex regulations; use of metals translator for establishing NPDES limits; examples of industrial and construction applications; implementation of stormwater NPDES; MS4 program; current agency practices; emerging trends and issues; audience participation encouraged. Instructors: Winston Borkowski (Moderator), Kirk Burns, Ray Ferrara, Robert Potts

WETLANDS PERMITTING AND MITIGATION

AAA. STATEWIDE ERP RULE UPDATES Since DEP's major overhaul of the Environmental Resource Permit rules in 2013, there have been a number of additional revisions and more are underway. Don't miss this chance to hear first-hand from agency officials responsible for this effort on the purpose and intent, scope and limitations, schedule for development, and implementation of the new statewide ERP rules. Audience participation encouraged. Instructors: Julie Sullivan (Moderator), Tim Rach, Michelle Reiber, Tom Frick, Kelly Unger

BBB. THE ESSENTIALS OF OBTAINING AN ENVIRONMENTAL RE-SOURCE PERMIT: THE NUTS AND BOLTS OF ERP PERMITTING This course will provide a detailed and in-depth breakdown of all aspects and components necessary for the environmental professional to obtain an ERP permit in an efficient and effective manner. This course will take the audience through all the steps in the review and issuance of an ERP permit including an administrative permit challenge. In addition, the course will discuss how new and proposed rules and policies are affecting the permitting process. Learn from this highly experienced panel all of the essential criteria and policies, including wetland and mitigation requirements, surface water engineering requirements, water quality and administrative and legal requirements critical to finalize a permit. This course is a must for environmental professionals who want to understand all aspects of ERP permitting in order to better represent their clients and deliver efficient results. Audience participation encouraged, Instructors: Lung Phillips, Church Roberts, Shannon Ruby Julien, Jeff Prather

CCC. FMFRGING ISSUES IN ENVIRONMENTAL RESOURCE PERMIT-TING This extremely informative and timely course combines the legal principles of ERP permitting, as expressed by recent changes with practical tips for achieving compliance, and avoidance of process "pitfalls" from the viewpoint of both regulators and practitioners. The panel presentation will be free-flowing with considerable audience participation led by lawyers and scientists from the public and private sectors. The course assumes a working knowledge of the ERP process and criteria, and it is intended to examine the critical issues that make or break applications, including those subjected to the extraordinary scrutiny of an administrative hearing. Course will also examine the effects of recent reorganizations within DEP and WMDs and what it means for ERP applicants. Audience participation encouraged. Instructors: Amelia Savage (Moderator), Shannon Gonzalez, Jerry Renick, Danny LeJeune, Michelle Hopkins

DDD. FEDERAL WETLANDS PERMITTING UPDATE Excellent course on how to navigate through the Army Corps of Engineers' Section 404 Clean Water Act Wetlands permitting process. This course, taught by our panel of experts will feature step-by-step analysis of the ACOE permitting process including illustrative case study examples; emphasis on the key components to enhancing the speed of the application process; and avoiding pitfalls and other time sinks in order to obtain a favorable ACOE decision. This advanced course is designed for active audience participation. Instructors: Todd Sumner (Moderator), Mike Drauer, David Mahnken, Tori White, Brian Farrar

EEE. FLORIDA WETLAND JURISDICTION If you want to know precisely how wetland jurisdiction is determined, and the subtle and not so subtle differences between Florida's uniform statewide wetland jurisdiction and Federal wetland jurisdiction, this is your course! Carefully designed panel discussion to analyze state and COE wetland jurisdiction making use of comparisons and contrasts as appropriate; covers application of vegetation, soils and hydrologic indicators in determining presence of wetlands using state and COE methodologies; covers altered and non-altered sites; emphasis on practical application and dispute resolution; examples and case studies; course designed for extensive audience participation.

Instructors: Mike Dennis, Mike Nichols, Ed Murawski, Tim Perry

FFF. FEDERAL WETLAND JURISDICTION The proposed Waters of the United States rule (currently stayed by a federal judge) is not the only thing going on in wetlands law and regulation. This course will look at the current law of federal wetland jurisdiction and how it's determined and implemented on the ground - right now! Can you challenge a federal wetlands delineation on your property? The recent Hawkes v. USACE, says that you can, and the course will address how the Supreme Court might resolve this issue. It will also include a review of the Rapanos case that led to the "Significant Nexus" test, which is the basis for all current regulation, and the conflicting case law that has resulted in several states. There will also be an overview of the Precon case regarding interpreting agency guidance documents. The course will highlight the practical application of the Corps' current regulations, policies and guidance documents and what they could mean for development in Florida. Finally, the Corps will provide an in-depth discussion of the latest wetlands auidance and what the regulated community can expect. Instructors: Pam Fetterman (Moderator), Dylan Larson, Debbie Madden, Matt Leopold, Jeff Collins

GGG. THE NEW UMAM: PROPOSED REVISIONS TO FLORIDA'S UNIFORM MITIGATION ASSESSMENT METHOD Florida's Uniform Mitigation Assessment Method (UMAM) is the primary method

by which regulatory agencies determine the amount of mitigation necessary to offset impacts to wetlands and other surface waters and the number of mitigation credits to be assigned to a mitigation bank. This course is a double session focusing on proposed revisions to the UMAM rule. According to their website, the DEP intends to revise the UMAM rule to achieve more certainty and consistency across the state while still accounting for each region's diverse ecological communities. The goal is a more streamlined and straightforward UMAM rule that is easier to use on both ends - easier for the citizens or businesses applying UMAM and for the agency staff processing the applications. This course will provide a variety of perspectives from a panel of expert UMAM practitioners who have been active in the efforts to revise UMAM. Audience participation is strongly encouraged to provide constructive input to the Department reaarding progress thus far and any further improvements which may be necessary. Instructors: Clark Hull (Moderator), John Humphreys, Penny Cople, Shannon Gonzalez, Ed Cronyn

HHH. WETLAND REGULATORY JURISDICTION OVER FARMLANDS Farmlands are subject to complex set of special rules when it comes to wetland jurisdiction. Not all activities on farmlands are exempt from wetland rules, and agencies in recent years arguably have increased the scope of their jurisdiction over these areas. Understanding these rules is important not just for farmers, but also for anybody who wants to use farmlands for other types of activities. This course will address activity and geographical exemptions for farmlands under the Clean Water Act, state regulation of wetlands in the farming context, and recent regulatory developments that could affect agencies' jurisdiction. Excellent course designed for audience participation. Instructors: Neal McAliley, Adam Peterson, Jim Spratt, Jeff Collins

III. PRACTICAL CONSIDERATIONS IN ENVIRONMENTAL MITIGATION AND MITIGATION BANKING Environmental mitigation in Florida is trending toward greater use of mitigation bank, while onsite mitigation remains a viable option in fewer and fewer instances. This carefully designed course will address practical considerations and the selection of mitigation options, including economics, liability issues, and long term management requirements. This very informative course will make use of case studies and legal analyses to provide insight into evolving agency practices in this area. This course should leave you well informed on the opportunity and obstacles of using mitigation to satisfy the requirements of obtaining a permit at the state, regional or local level. Excellent course designed for audience participation. Instructors: Beverly Birkitt (Moderator), Ed Cole, Debbie Wegmann, Tim Rach, Kelly Sands

COASTAL PERMITTING AND STATE SOVEREIGN LANDS

JJJ. SPECIAL PERMIT CONSIDERATIONS FOR SOVEREIGN LANDS AND AQUATIC PRESERVES This timely and informative course provides a review of latest changes and emerging issues with regard to DEP's proprietary authority over State-owned lands; includes a comprehensive update on procedural and administrative changes; also covers recent rule changes and proposed changes to current agency rules and practices with regard to use of sovereign lands; discussion of special permit conditions applied to aquatic preserves and outstanding Florida waters; other emerging trends and issues. Course designed for extensive audience participation. Instructors: Andy Baumann (Moderator), Matthew Butler, David Clark, Danielle Irwin, Spencer Crowley, Tim Rach



KKK. COASTAL MARINE PERMITTING AND MITIGATION This very informative course will cover all aspects of habitat and species issues associated with proposed projects in the coastal marine environment; provides for a thorough and practical examination of the current tools for assessing and avoiding impacts; includes examples of techniques for habitat and species restoration in coastal and marine environments. Excellent course designed for extensive audience participation. Instructors: Wayne Flowers, Beau Williams, Lainie Edwards, Kevin Claridge

LLL. COASTAL CONSTRUCTION CONTROL LINE PERMITTING Development within the dynamic and sensitive coastal environment requires a special permit from the Florida Department of Environmental Protection. This course examines the regulatory framework and practical aspects of Coastal Construction Control Line permitting for oceanfront structures and activities. Covers current agency procedures and practices with respect to structure siting and design, including respective responsibilities of state and local agencies; emerging agency policy; special permitting considerations for storm impact planning and emergency response, including appropriate use of coastal armoring structures. Always a timely and informative course. Instructors: Andy Baumann(moderator), Christy Brush, Mark Powell, Rick Chitwood, Patrick Krechowski, Darwin Stubbs

MMM. COASTAL CONSTRUCTION "HOTSPOTS" Current Coastal Real Estate Development trends in Florida are driving emerging agency policy discussions regarding the Florida Department of Environmental Protection Coastal Construction Control Line (CCCL) permitting program. The FDEP's policy on armoring, sand management, exterior lighting for protection of marine turtle habitat, and the Statewide Habitat Conservation Plan for Florida's beaches will be the some of the topics covered by this dynamic discussion panel. Audience participation encouraged. Instructors: Danielle Irwin (moderator), Reggie Bouthillier, Carol Knox, Jane Herndon

NNN. SEAGRASSES AND MANGROVES This session will present the types of permits (CCCL, ERP, JCP) as they apply to marine-related projects. Issues addressed will include: how the ecology and biology of Florida's seagrasses and mangroves drive the reality of regulatory responses; what restoration options and assessment strategies are available; the pitfalls of the permitting process, particularly with respect to monitoring and permit/mitigation compliance; and restoration site selection, techniques and monitoring includes in the context of the regulatory environment, including Habitat Equivalency Analysis and UMAM. This course provides excellent coverage of very complex subject. Instructors: Ed Steinmeyer (Moderator), Mark Fonseca, Ray Dennis, Tim Rach, Kevin Claridge

OOO. BEACH RENOURISHMENT AND NEAR SHORE HARD BOTTOMS Beach renourishment project occur frequently in Florida and often these activities cause hardbottom impacts to the nearshore habitat. This session will examine the impact considerations of a renourishment project. Issues addressed will include: the associated hardbottom, mixing zone, and down current drift; hardbottom mapping techniques and pre- and post-nourishment monitoring methods; and regulatory challenges for permitting and determining mitigation. Examples of renourishment projects impact and the regulatory challenges will be discussed. Come prepared to listen, learn, and participate! Instructors: Erin Hodel, Penny Cutt, Jackie Keiser, Lainie Edwards

IMPERILED SPECIES

PPP. FUTURE DIRECTIONS FOR SPECIES MITIGATION AND CON-SERVATION BANKING This panel will provide the latest information on Candidate Species Updates, State and Federal current and future mitigation policies related to species, and the implications for both public and private infrastructure projects. Course covers new mitigation policy related to species impacts for all USFWS agency actions under both the CWA and ESA. Discussion of updated Imperiled Species Action Plans. Get the latest information and hear the discussion on the implications for Florida. Instructors: Sheri Lewin (Moderator), Steve Collins, Xavier Pagan, Scott Sanders, Connie Cassler, Jerry Ziewitz

QQQ. & RRR. EMERGING ISSUES AFFECTING CONSERVATION OF FLORIDA'S IMPERILED WILDLIFE SPECIES. INCLUDING POTENIAL IMPACTS OF CLIMATE CHANGE ON WILDLIFE COM-MUNITIES Never have the costs and risks of conservation been so high nor the opportunities for establishing a new conservation vision for Florida as great as they are today. No less than a dozen landscape-scale wildlife and habitat planning programs are currently being implemented collaboratively in most cases by the Florida Fish and Wildlife Conservation Commission, US Fish and Wildlife Service, other regulatory agencies and conservation organizations. These initiatives generally involve development of state-wide management plans for high profile wildlife species, implementation of a revised state listed process for imperiled wildlife species, habitat identification and ranking analyses for preservation under projects that include the Conservation Cooperative Blueprint and the Peninsular Florida Landscape Conservation Cooperative, best management practices for wildlife on garicultural lands and consolidation of regulatory processes. Each of these programs has potential to profoundly affect the ways we conserve listed species and the habitats upon which they depend. They also will affect each of us in our responsibilities as regulators, land managers and consultants. Additionally, there is a possibility that changes to our climate may be affecting Florida's terrestrial and aquatic wildlife communities. The Florida Fish and Wildlife Conservation Commission has taken the time to study this issue and will come prepared to present its surprising findings, with commentary from other scientists with expertise in this area. The presenters in this session will provide salient overviews of these programs and issues with information regarding how to participate and acquire additional information. Instructors: Doug Rillstone (Moderator), Colleen Reilly, Daniel Judy, Austin Carroll, Jeff Collier, Bud Vielhauer, Dave Hankla

SSS. REGULATION, MANAGEMENT & CONSERVATION OF WILD-LIFE Many imperiled wildlife species spend some if not all of their life-cycles on land that is or has been historically managed for agriculture and silvicuture. The Florida Department of Agriculture and Consumer Services and the Fish and Wildlife Conservation Commission both recognize that agriculture provides a valuable benefit to the conservation and management of fish and wildlife in the state and have developed best management practices that reflect the industry's existing contribution to the conservation and management of aquatic life and wildlife in Florida. Properly implemented BMPs can exempt garicultural and silvicultural lands from certain imperiled species permitting guidelines, and the Commission is in the process of developing guidelines for a wide range of other state imperiled species where such BMPs may also play a role. The Commission has also been actively working to implement an agreement with the U.S. Fish and Wildlife Service that would allow the Commission to issue permits for the "take" of federally listed species instead of the Service. The members of this panel have been actively involved in the development and implementation of these important wildlife practices, policies, and guidelines. The panel will review current imperiled species guideline development, the development and implementation of the best management practices and how the guidelines and best management practices could affect the use of agricultural and other land in Florida and the southeastern United States. Instructors: Susan Stephens (Moderator), Scott Sanders, Dan Roach, Dave Hankla, Bill Bartnick

TTT. THREATENED AND ENDANGERED SPECIES IN THE MARINE REALM Extremely timely and informative course will "cover the bases" from NEPA to permitting; critical environmental issues including Johnson Seagrass, protected fish species and essential fish habitat, sea turtles, and marine mammals; use of UMAM and HEA for determining mitigation requests; examples of lessons learned in dealing with and applying federal and state requirements to seaports, beach renourishment, and coastal development; discussion of emerging issues. Audience participation encouraged! Instructors: Penny Cutt, Bill Precht, Mary Jo Barkaszi, Tori White

WASTE MANAGEMENT AND SITE REMEDIATION

UUU. SELLING AND FINANCING OF CONTAMINATED PROPERTIES: WHAT IS THE RISK TOLERANCE OF FINANCIAL INSTITUTIONS REGARDING ENVIRONMENTAL LIABILITIES? While there are definitely incentives for redeveloping properties with perceived or actual environmental concerns, working with lenders in securing financing for the same may present additional challenges. Hear what the experts working for banks, equity capital, and other sources of finance have to say. What do lenders and equity investors need to meet their internal lending criteria? How do they manage environmental risks in their portfolios? Are traditional banks all the same? What's available from non-traditional lending sources? How do they and their attorneys view the recent evolution of FDEP's institutional controls policy? Our panelists will provide answers to these questions and much, much more! Join this new and interactive panel discussion as our experts provide insight into funding options and environmental risk management for redevelopment projects. Instructors: Anna Long (Moderator), Mary Hurley, Ralph DeMeo, Jennifer Pollock

VVV. SUSTAINABLE APPROACHES TO REDEVELOPING CLOSED LANDFILLS AND WASTE DISPOSAL AREAS IN FLORIDA YOU discovered an old waste disposal area in your development project? Many have! With an improved economy and associated increase in land development throughout Florida, there are instances where old landfills/disposal areas are discovered during the development process. In order to prevent delays and cost overruns, an understanding of various regulatory requirements and remedial options are necessary in order to effectively execute a development project when buried waste is encountered. This extremely relevant and timely issue will be covered by a panel of experts in the fields of landfill regulation, remediation technology, and sustainable design. They will engage the audience as they present and discuss the various regulatory approvals that may be required to develop a closed landfill or waste disposal area in Florida. The panel will also discuss the many issues that will likely arise, including post closure care requirements, permits, financial assurance obli-

Breakout Sessions

gations, liabilities, incentive programs, remedial options, and institutional controls. Instructors: Brian Moore (Moderator), Mike Caldwell, Jon Moyle, Mary Yeargan, Ron Cope

WWW. & XXX. LANDFILLS, GOLF COURSES AND GAS STATIONS, OH BUY! – THE HOTEST PLAYS IN FLORIDA BROWNFIELD AND THE MOST EFFECTIVE TECHNICAL, REGULATORY, LEGAL AND ENVIRONMENTAL JUSTICE STRATEGIES FOR REDEVELOPMENT SUCCESS This panel will examine the current state of regulatory and financial incentives as well market dynamics, financing considerations, and social equity concerns that help private developers and local governments collaborate to overcome the risk, limit the liability, and manage the cleanup costs

associated with taking title to and redeveloping contaminated sites. Specific examples of successful and profitable projects and the community benefits they create will be discussed with an emphasis on landfills, golf courses, and gas stations. A comprehensive discussion of applicable Florida and federal rules and best management practices will be presented by a leading panel of Florida experts who will also provide a replicable, scalable, and easy-to-follow path for private development principals, local government planners, lenders, and other brownfield stakeholders. After this class, attendees will be well-positioned. Instructors: Michael

Goldstein (Moderator), Mike Schackne, Maribel Nicholson-Choice, Frank Hearne, Rick Burgess, Janet Peterson, Mary Yeargan

YYY. CURRENT HARVEST OF RBCA FRUIT: A
FULL BASKET AND SEEDS FOR THE FUTURE:
A RISK BASED CORRECTIVE ACTION
UPDATE The last year has seen further
significant changes in the implementation of risk base corrective actions in
Florida. This panel of experts will recap
the recent legislation, policy changes and
rule development, including the expanding
acceptance of non-recorded instruments to
achieve site closure, revisions to the depth of
contamination in the application of direct expo-

s u r e soil cleanup target levels, and examples of new Land
Use Controls for Airports and Ports. Rulemaking for Chapter 62777 is facing challenges, the Institutional Control Procedures
Guidance (ICPG) is nearing completion, the Contaminated
Media Forum (CMF) is tackling new cleanup target levels,
and Chapter 62-780 is on its final approach. With everything
going on in the world of RBCA, you cannot miss this course!
Come prepared to participate in a lively and informative discussion! Instructors: Jorge Caspary (Moderator), Laurel Lockett,
Dr. Nicole Penichet, Tom Lewis, Al Malefatto, Joe Ullo

ZZZ. & AAAA. RIDING THE RBCA WAYE OF CHANGE! PRATICAL AP-PLICATIONS OF DEP'S RISK BASED CORRECTIVE ACTION POLICY This course picks up where the Risk Based Corrective Action Update panel finishes. It presents specific-cases where the evolution of RBCA and Institutional Controls has been applied. A new IC consisting of the application of Memorandums of Understanding with Water Management Districts will be presented. The practical application of these changes to large property owners such as the Tampa International Airport will also be discussed. Case studies will focus on the approach taken by responsible parties on achieving site closures by means other than a restrictive covenant. Part of the class will be on recent developments in achieving site closures using a probabilistic risk assessment. A must-attend, up-to-date, timely, and informative course on a hot topic designed for active audience participation. Instructors: Ralph DeMeo (Moderator), Peter Cornais, Jim Oliveros, Chris Teaf, Jim Langenbach, Steve Folsom, Howard Nelson, Carl Eldred, Robyn Neely, Justin Wolfe, Keith Fleming

BBBB. TECHNICAL ASPECTS OF THE PHASE I ESA AND COMPLI-ANCE WITH AAI & ASTM E1527-13. BONUS: THE EVOLVING USE OF DRONES IN COMPLETING A PHASE I IN FLORIDA AND WHO REGULATES THEM? Nation-wide, and throughout the community of those who buy, sell or finance real estate, the ASTM E1527-13 Phase I Environmental Site Assessment Standard is the most widely used business environmental risk tool in the marketplace. However, this Standard was not designed as the panacea that it has become. The Standard is replete with nuances in connection with the CERCLA (Superfund) release definition, activity and use limitations, continuing obligations in connection with the CERCLA defenses, appropriateness of additional file review, and when and how recommendations should be managed. This has created confusion that is affecting the legal, banking and insurance communities who also have strong ties to the real estate marketplace. This session discusses the ASTM Standards, what they are, what they are not, and how and when to apply them. Get informed from people who wrote the ASTM Standards and routinely provide expert testimony regarding their interpretation and application in the marketplace. Bonus: the use of Unmanned Aircraft Vehicles (UAVs) has increased significantly in Florida and we rank fourth in the nation regarding the positive economic impact expected from the use of drones for commercial and environmental studies purposes. How can you be sure that your company is flying right? What's the process for obtaining authorization to fly a drone commercially? How long does it take to properly register a drone? This bonus will provide answers to these auestions and more. Instructors: Robert Stephens, Nick Albergo, Anna Long

CCCC. SUCCESS STORIES IN COMMERCIAL RECYCLING Florida has a very ambitious 75% recycling goal that needs to be obtained by 2020. So far, the recycling rate benchmarks have been met, but we still have a long way to go. How will Florida get to the 75% goal? It's going to take more than just residential curbside programs. It's going to take a concerted effort by the Florida business community in order to achieve the goal. Recycling is not always easy for businesses and at times is considered a burden on them. But some businesses are finding ways to do what's right for the environment as well as helping its bottom line. Come listen in as a panel of experts in this area discusses what's ahead in the area of recycling. Instructors: Keyna Cory (Moderator), Kim Brunson, Liz Castro-DeWitt, Tammy Kaleel

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MANSON BOLVES DONALDSON VARN, PA is a Florida based law firm with public and private clients ranging from large, multi-billion dollar interests to start ups. The firm focuses on water, environmental, administrative and governmental law as well as business, contracting and construction. Manson Bolves offers a full range of services, from siting and permitting through mediation or litigation. In addition, our legislative practice represents clients with local, regional and state bodies. We assist our clients by negotiating with state and local agencies, and navigating issues through the complex, and sometimes conflicting, governmental process. Manson Bolves also provides representation for clients on transactions between governments and private interests, including the negotiation and drafting of interlocal agreements. Our understanding of government provides a unique perspective for our private sector clients. The processes, the personalities and the policies that move or stall good projects can sometimes be a mystery to our private sector clients. We can untangle the mysteries of those processes and help ensure fair and equitable treatment under the laws, rules and regulations. Likewise, the commercial and construction litigation team at Manson Bolves ensures that clients are properly represented in contractual and related business disputes. While government is complex, a seemingly endless array of mishaps, misunderstandings and mistakes plague the industry. We represent our clients' interests. From contracting through court we have been called upon to ensure our clients get what they need, what they deserve, what they are entitled to. For additional information, please visit www.mansonbolves.com.

STEARNS WEAVER MILLER is a full service law firm with offices in Miami, Fort Lauderdale, Tampa and Tallahassee. Our Land Development, Zoning and Environmental Department is a statewide practice group focused primarily on the Florida marketplace. This focus enables us to understand Florida's political, business and development trends at the state, regional and local government levels, and effectively represent and serve our clients throughout all regions of Florida. Our team provides our clients an array of legal and planning services related to transactions, land use entitlements, land development, and environmental matters, as well as governmental affairs representation and litigation related to those practice areas. We represent clients at federal, state, regional, and local levels on a broad range of environmental and land use issues involving wetlands, coastal development, greenfields, comprehensive plan amendments, protected species and habitat, property rights, water quality, brownfields, rezoning, contaminated sites, sovereign submerged lands, marinas/docking facilities, due diligence reviews, water use, developments of regional impact, toxic torts, utilities, stormwater management, beach nourishment, variances, platting, transfer of development rights, and climate change/coastal resilience. Our Department brings together land use, environmental, property rights, and litigation attorneys, in-house planners, and GIS mapping staff. We have strategically built our practice group to include attorneys and planners from many different professional disciplines, each providing unique assets for our clients. Our team includes attorneys previously serving as in-house counsel for corporations and industry groups, as well as attorneys and planners who formerly held high-level positions with major local governments and regional and state agencies - this diversity brings multiple perspectives to the table which enables creative problem solving, and results in practical advice to our clients. For additional information, please visit www.stearnsweaver.com.

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CARLTON FIELDS has 400 lawyers and governmental consultants in 10 offices, including Atlanta, Hartford, Los Angeles, Miami, New York City, Orlando, Tallahassee, Tampa, Washington, D.C. and West Palm Beach. The firm serves a mix of international, national, and local businesses, state and local public entities and individuals. Members of the firm's Government Law and Consulting Practice Group have extensive experience in all areas of environmental, land use, and administrative law and governmental consulting at the local, state, and federal levels. The practice includes not only transactional work but also significant litigation. It also employs two AICP planners to assist its clients in land use matters including

due diligence, permitting, zoning, code review, site plans, sector plans, DRIs, comprehensive plan amendments, condominiums and community associations and legislative advocacy. For more information, please visit www.carltonfields.com.

ENVIRONMENTAL CONSULTING & TECHNOLOGY, INC. (ECT) is an employee-owned, full-service environmental consulting firm offering a broad range of environmental, engineering, planning, and management services. The company is headquartered in Gainesville, Florida, and has more than 170 employees based in eight Florida offices, eight Midwest offices, two North Carolina offices, and single offices in Massachusetts, and Tennessee. ECT provides multidisciplinary environmental consulting services throughout the United States, including siting, licensing, permitting, and remediation for projects ranging from less than 1 acre to more than 30,000 acres in size. www.ectinc.com

ENVIRONMENTAL SCIENCE ASSOCIATES (ESA) is an environmental consulting and planning firm committed to the principles of sustainability. We specialize in environmental planning, scientific technical studies and investigations, environmental assessments, cultural resource services, ecosystem restoration and mitigation design, climate change solutions, and regulatory permitting and compliance. With diverse practice groups and multiple offices nationwide, ESA's nimble, multidisciplinary teams provide world class expertise to deliver innovative and cost-effective solutions to our clients. To learn more about ESA, visit our website at www.esassoc.com.

FLORIDA POWER & LIGHT COMPANY'S EVERGLADES MITIGATION BANK (EMB) is a wetland restoration project which services Miami-Dade, Broward and the southern portion of Palm Beach County. The 13,249-acre project is located in southern Miami-Dade County and is home to several unique ecosystems supporting 46 protected species of plant and animal life. With its large size and unique location, Everglades Mitigation Bank is a major contributor to a seamless corridor between Biscayne National Park and Everglades National Park. The EMB is owned and operated by Florida Power & Light Company (FPL) which is one of the largest rate-regulated utilities in the United States and the largest electric utility in Florida, serving approximately 4.8 million customer accounts in nearly half of the state. A clean energy leader, FPL operates three large-scale solar energy centers in Florida and one of the leading energy efficiency programs among utilities nationwide. FPL has earned a reputation as a leader in the protection of natural resources, habitat and threatened and endangered species through various programs such as progressive water management, protecting and monitoring sea turtles and protecting manatees and enhancing habitats for the American crocodile and Florida scrub jay. FPL is a subsidiary of Juno Beach, Fla.-based NextEra Energy, Inc. (NYSE: NEE), North America's largest generator of renewable energy from the wind and sun. For more information, visit http://www.fpl.com/environment/emb/.

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GREENBERG TRAURIG, LLP Greenberg Traurig's environmental and land development practices comprise an integrated network of professionals in over 35 offices in the United States, Latin America, Europe, the Middle East and Asia, including seven offices in Florida. Our team is nationally recognized for experience in a number of areas, including permitting, auditing and compliance, brownfield development and risk transfer, natural resources, Native American law, and a broad range of environmental, toxic tort, and government enforcement litigation (administrative, civil, and criminal). GT regularly assists clients with a broad variety of land development issues, including navigating the complexities of Florida's growth management laws and policies. The firm's environmental professionals work closely with the firm's land development, real estate, corporate, energy, and other transactional lawyers and have significant experience in key industry sectors, including: mining, oil and gas, transportation, waste management, electricity generation, clean technology, pulp and paper, steel and other metals, chemicals, pharmaceuticals, and real estate. GT's results-oriented and practical approach to problem solving has led major national companies and other organizations to entrust the firm with their most challenging environmental and land development matters. For additional information, please visit www.gtlaw.com.

GUNSTER ENVIRONMENTAL, LAND USE & PROPERTY RIGHTS PRACTICE guides clients through Florida's complex environmental permitting and regulatory landscape and defends owner's rights as necessary. The attorneys represent public and private entities, both national and international, who own, lease, develop, finance and manage properties throughout Florida and the United States, including agricultural, commercial, energy, industrial, residential, retail, and mixed-use properties. Gunster's environmental practice brings together real estate, land use, environmental and property litigation attorneys, staff and inhouse planners. Our lawyers include Florida Bar certified attorneys who provide counsel and representation before state and federal environmental agencies on all aspects of water resource permitting, water use and water supply, air quality and emissions, water quality permitting including NPDES, Everglades restoration matters, and issues related to state and federal administrative law. Gunster attorneys are regularly featured authors and speakers at seminars and conferences throughout Florida. Additionally, they are involved with related organizations including the American Water Resources Association, the American Water Works Association, Florida Bar Environmental and Land Use Law Sections, the Florida Bar Property Rights Committee, the , the Florida Green Building Coalition and U.S. Green Building Council, the American Planning Association, ULI, NAIOP, and ICSC. www.gunster.com.

HOPPING GREEN & SAMS, P.A. is a Tallahassee, Florida based firm representing clients statewide primarily in the area of governmental law. Its attorneys have assisted clients at federal, state, regional, and local levels in all areas of environmental and land use regulation and litigation including: solid and

hazardous waste, comprehensive planning, DRIs, property rights litigation, toxic substances, wetland, water use, sovereign submerged lands, air emissions, underground injection control, oil and gas exploration, endangered species, industrial wastewater, domestic wastewater, stormwater and potable water. Hopping Green & Sams also represents clients in matters relating to state and local tax, business and insurance regulation, and community development districts. Hopping Green & Sams maintains an active lobbying practice representing clients before the Florida Legislature, state agencies, the governor and Cabinet. www. hgslaw.com.

KLEINFELDER is an employee-owned environmental, architecture and engineering consulting firm providing solutions to meet our world's complex infrastructure and natural resource challenges. With over 50 locations throughout the U.S., Canada and Australia, Kleinfelder employs over forty people in three Florida office locations: Mt. Dora, Jacksonville, and Tampa, Our offerings include a diverse set environmental engineering, planning, and permitting services that are key to mining, industrial, transportation, and commercial projects in Florida and the southeast. We have highly experienced professionals in wetland and wildlife regulation and conservation, all stages of project due diligence and environmental permitting, civil engineering design and permitting, water resources, geotechnical investigations, air permitting and testing, industrial hygiene and safety, and construction materials testing. Working as a team, our bright people will deliver the right solutions for clients, www.kleinfelder.com

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NORTHSTAR CONTRACTING GROUP, INC. (NorthStar) is a licensed State of Florida Professional Engineering and Construction firm headquartered in Tampa, Florida with service centers in Tallahassee, Orlando and West Palm Beach. We are an established and well respected provider of professional civil and environmental engineering, construction and emergency response services focused on serving State and local municipal governments. NorthStar has been in business for over 30 years with over 150 environmental professionals in Florida providing expertise and solutions to challenging environmental issues. Our areas of specialization include: all phases of environmental site assessments; petroleum contamination assessments and remediation; storage tank assessments; construction management services; hazardous materials management, response and cleanup; brownfields co-

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SOUTHERN WASTE INFORMATION EXCHANGE (SWIX) operates as a cooperative effort between the Department of Environmental Protection, the Florida Chamber of Commerce and Florida State University. SWIX serves as a non-profit clearinghouse and repository for business concerning information on solid and hazardous waste management alternatives; pollution prevention approaches; market development for recyclable materials in Florida; recycled projects which are available to Florida markets; the availability of and demand for waste materials; waste management services and products; and regulatory information related to solid and hazardous waste management. www.swix.ws.

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THE WETLANDSBANK GROUP (TWG) is one of the nation's most respected and successful mitigation bankers. TWG developed and sold out its wetland bank in Pembroke Pines, FL; the first credit

transfers ever authorized by the Army Corps of Engineers. TWG has completed the transfer of the 2,778-acre Panther Island Mitigation Bank in Naples, FL to the Audubon of Florida's Corkscrew Swamp Sanctuary, as the long term managers and is currently restoring an additional 1,841 acres that has been added to the existing bank project. Panther Island's commitment to the environment has earned national and international recognition. Most recently, Corkscrew Swamp Sanctuary, including the Panther Island Mitigation Bank, was named a Ramsar Wetland of International Significance, one of only 26 in the United States. It was the first time ever that a mitigation bank has received this honor. During 2015 TWG added Corkscrew Regional Mitigation Bank to its portfolio thus furthering its commitment to the Southwest Florida market. TWG has completed the first phase of construction on Blackwater Creek Mitigation Bank north of Orlando in the Wekiva Basin, and will complete the last phase of construction in 2016 at Legacy Farm Stream Bank in Georgia south of Atlanta. TWG has expanded into Mississippi by partnering with founders of Delta Mitigation Bank. TWG seeks partnerships with public or private entities to design, permit, develop, market, and operate mitigation banks, and also sells mitigation credits on behalf of entities, such as Broxton Rocks Mitigation Bank a stream and wetland bank also in Georgia and Panther Passage Conservation Bank, a Panther Habitat bank in Hendry County Florida. Contact: Stephen Collins, Chief Executive Officer, 10097 Cleary Blvd. Suite #303 Plantation FL 33324 (954) 642-2461; scollins@wetlandsbank.com; www.wetlandsbank.com

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A-C-T ENVIRONMENTAL & INFRASTRUCTURE A-C-T is an established multi-disciplined professional environmental, engineering and field services firm with expertise in a range of areas, including environmental sciences, engineering, industrial hygiene, industrial services, infrastructure, waste management, health & safety and emergency response. A-C-T employs nearly 100 full-time, part-time and contract professionals from its offices in Bartow, Gainesville, Orlando, Naples and Ft. Lauderdale. The firm has been recognized as the Best Mid-Sized Environmental Firm to Work For - nationwide (by CE News) and is among Florida Trend's 100 Best Companies to Work For (2010/11/12 AND 2013). For more information about A-C-T, visit www.a-c-t.com or like us on Facebook at A-C-T Environmental-Infrastructure.

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BERGER SINGERMAN is Florida's business law firm, with offices in Boca Raton, Fort Lauderdale, Miami and Tallahassee. We are proud of our talented team of forward-thinking attorneys who are passionate, creative problem-solvers, and leverage a collaborative, team-based approach to give clients a competitive edge. Berger Singerman attorneys are widely respected and recognized for their exceptional work both in the courtroom and the boardroom. Our environmental and land use attorneys routinely assist clients with the full range of issues faced by industry and the regulated community, as well as with the financing, development, cleanup and sale of real property. These attorneys afford our clients the benefit of their experience and

favorable relationships in working with federal, state, regional, and local agencies in a variety of capacities, including negotiation and litigation in the areas of permitting, enforcement and rulemaking. Our environmental team includes Dan Thompson, former Deputy Secretary and former General Counsel for the Florida DEP, and Sam Poole, former Executive Director of SF-WMD. We welcome two new partners who recently joined this practice area: Floyd Self, who focuses on the energy sector and routinely appears before the Public Service Commission, local governments, and the courts, and Angela Morrison, who has practiced environmental law in Florida for more than twenty-five years. For more information about the firm or our team members, please visit www.bergersingerman.com or access our Doing Business in Florida resource www.flabusinesslaw.com.

BILZIN SUMBERG is a commercial law firm based in Florida. Our environmental attorneys provide innovative solutions to a wide range of environmental issues faced by Florida's development and redevelopment community. As part of the firm's Government Relations & Land Development practice group, the environmental team works closely with the Firm's Corporate, Real Estate and Litigation practices to support all aspects of regulation, permitting and enforcement actions related to federal and state wetland regulations, brownfields redevelopment, stormwater management and permitting, marina permitting and operation, landfills, regulatory permitting, hazardous waste and land development. For more information, please visit www.bilzin.com.

BIO-TECH CONSULTING, INC. is a full-service environmental consulting firm headquartered in Orlando, Fla. with offices across the state and clients throughout Florida and the Southeast. Our team of scientists, planners and project managers works to guide all of our clients through successful permitting and compliance processes on local, state and federal levels. Services include permitting, environmental assessments, wetlands mitigation, monitoring, wildlife sciences, erosion and sediment control, pond management, lake management, and landscaping services. Projects range from single-family residences to master-planned communities to government facilities. With the expertise, equipment, knowledge and commitment, Bio-Tech Consulting guides its clients through the increasingly complex and rapidly changing permitting and compliance processes. Our mission is to help our clients maximize development opportunities, minimize timeframes and achieve ecologically sustainable solutions. To learn more, please visit www.bio-techconsulting.

BUCHANAN INGERSOLL & ROONEY Buchanan Ingersoll & Rooney PC brings true partnership to our clients. We understand the service and partnership attributes our clients most value and have formalized a model for consistently achieving them. The firm has more than 530 attorneys and government relations professionals practicing throughout the United States, with offices in 19 cities in California, Colorado, Delaware, Florida, New Jersey, New York, North Carolina, Pennsylvania, Virginia and Washington, D.C. Buchanan provides the full array of legal services to our business clients, and our environmental and land use attorneys provide representation to both public and private clients before state, federal, local and regional governmental entities. Areas of practice include wetlands, consumptive use and coastal construction permitting, comprehensive plan, zoning and DRI and sector plan approvals, community development districts, underground storage tanks, indoor air quality and solid and

hazardous waste, involving all state and federal environmental regulatory agencies and the Florida Legislature. www.bipc.com

Founded in 1945, CARDNO partners with public and private clients to solve engineering, environmental, human health, and social challenges. With over 300 offices worldwide, Cardno provides clients with access to over 8,000 professionals focused on delivering customized consulting solutions to plan, design, and construct social and physical infrastructure. Cardno's Americas Region encompasses operations across Canada, the United States, and Latin America. Integrated services are provided through four divisions: Natural Resource & Health Sciences, Engineering and Environmental Services, Government Services, and Latin American Services. The region has over 4,600 professionals in over 230 offices to provide clients with locally responsive service. Cardno's Natural Resource & Health Sciences Division is an environmental, natural resource, and health sciences consulting firm specializing in water and natural resources management, environmental permitting and compliance, environmental liability management, economics, and health sciences. Cardno provides innovative solutions to environmental challenges with expertise in dozens of specialized environmental areas. Cardno serves a wide range of private and public clients faced with challenges that demand environmental experience, strategic planning, and practical sustainable solutions. The division employs over 900 multidisciplinary professionals including biologists, ecologists, wetland specialists, economists, geologists, engineers, planners, ecotoxicologists, chemists, risk assessors, and project managers. Cardno senior staff and management are highly regarded and respected for their technical expertise, science-based approach and ability to provide cost-effective and sustainable business solutions. Cardno's integrity, responsiveness, and innovation are a reflection of the company's culture and core values, resulting in consulting services of unparalleled quality in the industry. For more information on the firm please visit us at www.cardno.com.

COASTAL SYSTEMS INTERNATIONAL, INC., is a multi-disciplinary environmental consulting and engineering firm that has been delivering creative solutions for coastal, marine, and waterfront projects to public and private clients for over 20 years. Coastal Systems successfully implements complex projects throughout Florida and the Caribbean from offices in Coral Gables, West Palm Beach, and Tallahassee, Florida. Coastal Systems is known for taking a strategic, comprehensive approach toward project solutions with a focus on innovation, quality, and value. Coastal Systems provides a full suite of services including project management; due diligence; regulatory compliance, strategy, and permitting; coastal, civil, and marine structural engineering; hydrographic surveying and other field data collection; environmental impact assessments; economic analyses; and construction administration. www.coastalsystemsint.com

CSA OCEAN SCIENCES, INC. (CSA) founded in 1970 as a marine environmental consulting firm, specializes in multidisciplinary projects concerning potential environmental impacts of activities in coastal and marine ecosystems and offers a wide variety of desktop and field survey services to support our clients worldwide. CSA's extensive experience conducting multidisciplinary projects to evaluate potential impacts to the environment has often involved environmental permitting and representing clients during all phases of the regulatory process. CSA is head-quartered in Stuart, Florida, with regional offices worldwide.

CSA's programmatic approach to projects provides objective information while balancing the environmental, legal, and political sensitivities required for many projects. This approach has resulted in positive industry recognition and the award of thousands of studies since 1970. These studies have been conducted for more than 600 clients, including engineering firms; port authorities; dredging companies; oil and gas companies and service providers; utility companies; land developers; law firms; telecommunication companies; and local, state, federal, and international government agencies. Our 45-year corporate track record has resulted in a reputation of reliable technical performance, unbiased analyses, and scientific integrity. Utilizing the extensive knowledge of our personnel in addition to the techniques, facilities, equipment, and business considerations of applied sciences and technologies, CSA is staffed and equipped to offer a complete range of services for projects in offshore, nearshore, estuarine, wetland, and freshwater environments. www.csaocean.com.

DAWSON & ASSOCIATES is the nation's premier firm for resolving complex challenges involving Federal water-related environmental policy and procedures, and Federal contracting. Unique in our capabilities, the Dawson team includes former Members of Congress, retired Federal agency heads, dozens of agency heads, and dozens of former military and civilian leaders from the Army Corps of Engineers, including more than a dozen retired flag officers. No other firm can match Dawson's ability to develop solutions to complex Federal environmental regulatory challenges. We also offer project risk assessment and many technical services for clients needing specialized expertise to address problems not requiring government advocacy. Members of Dawson have extensive experience at the highest levels of Federal and State government. Many have decades of experience developing and administering complex policies. Our team has overseen programs and operations in every state and the average Dawson team member has been with us for more than 10 years. There is no other firm that offers this combination of knowledge, experience, and results. If you make us a full member of your team, with our expertise and trusted relationships, we'll bring to you our unmatched record of success! www. dawsonassociates.com.

DEAN MEAD is a business law firm with 50 attorneys in six offices across Florida including Orlando, Tallahassee, Tampa, Gainesville, Fort Pierce and Viera. Dean Mead serves clients by providing strategic solutions at the federal, state and local levels, and through extensive experience in numerous practice areas including: tax, estate and succession planning, business law, general commercial litigation, employment law, land use and zoning, agribusiness, government relations and lobbying, regulatory compliance, employee benefits, bankruptcy and creditors' rights, commercial real estate, professional licensing, white collar litigation and health law. Additionally, Dean Mead's Water Law Practice includes a seasoned team of attorneys with decades of experience in water resource management, protection, procurement, and planning. The team includes water resource and environmental litigators, counsel with decades of experience in rule development and rule challenges, administrative lawyers in several offices - including Tallahassee - and hands-on familiarity and experience with each of Florida's five water management districts. The firm's current clients own well over 1,000,000 acres throughout the state of Florida, and their combined agribusiness and water resource protection experience is unique among Florida's law firms. For more information, please call (877) 363-8992 or visit www.deanmead.com.

DE LA PARTE & GILBERT, P.A. is based in downtown Tampa. Our law firm was founded in 1975 and has been involved in shaping much of the law that affects Florida's environmental, health, social services and governmental policies. Our firm serves a diverse portfolio of state, national and international clients. While our lawyers practice in over 20 areas of law, we focus primarily on Business Transactions, Environmental and Land Use Law, Government, Health Law, and Civil Litigation. We recruit and retain highly skilled, sophisticated lawyers who are rated among the best in the profession. de la Parte & Gilbert as a firm is "AV" rated by Martindale-Hubbell and several of our attorneys are Florida Bar board certified. For more information, please contact us at (813) 229-2775 or visit our website at www.dgfirm.com.

DEWBERRY is a leading professional services firm with a proven history of providing architecture, consulting, engineering, and management services to a wide variety of public- and private-sector clients. Recognized for combining unsurpassed commitment to client service with deep subject matter expertise, Dewberry is dedicated to solving clients' most complex challenges and assisting citizens transform their communities to meet their current and future needs. Dewberry began serving clients' needs more than 50 years ago as a small operation in northern Virginia and has grown to nearly 2,000 employees in over 40 offices nationally. We remain a client-focused, family-owned business supporting our clients' operations and enhancing community initiatives. www.dewberry.com.

EARTHBALANCE® is an employee-owned company and one of the largest hands-on ecological restoration firms in the southeast. We mobilize our well trained workforce, specialized equipment, and plant material under professional supervision and strict safety standards. We plant millions of plants in a variety of natural habitats and perform exotic species removal on thousands of acres. EarthBalance® provides mitigation banking, natural area management, native plant supply and installation, and environmental consulting services. We have offices in Southwest and Central Florida. EarthBalance® also operates a native plant nursery in DeSoto County and mitigation banks in Hardee, DeSoto, and Sarasota Counties. www.earthbalance.com.

ERIN L. DEADY, P.A., is a Florida based firm representing clients statewide from the panhandle to the Florida Keys primarily in the area of environmental and governmental law. Its attorneys have assisted clients at federal, state, regional, and local levels in the private and public sector in all areas of environmental and land use law. Our attorneys work on projects and matters such as Gulf Restoration, sustainability, climate change preparedness and resiliency, energy, public finance, special districts, legislative matters, NEPA, water use and regulation, litigation matters, comprehensive planning, land use and zoning and land development regulations. The firm maintains an active practice in seeking, managing and securing governmental grants and unique special assessments. www.erindeadylaw.com.

E SCIENCES, INCORPORATED, excels at providing engineering, environmental and ecological consulting services to clients in both the public and private sectors. From our offices in Orlando, Fort Lauderdale, Miami and DeLand, our staff has success-

fully executed projects throughout Florida and the Southeastern United States. Our services include stormwater engineering, environmental permitting, wetland assessment, threatened and endangered species assessments, land management and restoration, mitigation, environmental assessments, contamination and remediation, water resource services, NPDES consulting, TMDL consulting, and Brownfield and urban revitalization planning.

FLATWOOD NATIVES NURSERY For over 15 years, Flatwood Natives Nursery has provided consultations for habitat management and restoration. Not only do we have over 35 acres where we grow trees native to the Southeastern United States, we also install trees for some of the largest landowners in Florida, and employ: ecologists, experienced, licensed herbicide applicators, knowledgeable equipment operators, and landscaping experts. Whether you are looking for complete habitat restoration, wildlife management or even professional landscaping, Flatwood Natives is your one stop shop! www.flatwoodnatives.com

FLATWOODS CONSULTING GROUP, INC. (Flatwoods) is a Floridabased Small Business Enterprise (SBE) specializing in assisting our clients with the complex regulations associated with natural resources. Our goal is to provide the highest quality consultation to our clients in a cost-effective manner. We accomplish this through honest and consistent personal contact and by putting the long-term needs of our clients and staff members before short-term corporate gain. We strive to attract and retain both clients and staff for the duration of their careers, not just for the duration of a project. Our team of highly qualified scientists and professionals has advanced degrees, professional certifications, and project experience related to many aspects of upland, wetland, and benthic ecology, wildlife surveys, and various types of ecological monitoring, permitting, and mitigation. Flatwoods' staff members have served clients in the southeastern United States for over fifteen years. Our comprehensive technical approach. in-depth understanding of ecology, and regulatory experience result in invaluable project solutions for our clients. Flatwoods has experience in successfully addressing the complex environmental and regulatory challenges associated with transportation and utilities, mining, gariculture, and municipal projects as well as industrial, commercial, residential, and multi-use developments. www.flatwoodsconsulting.com.

FLORIDA RECYCLING PARTNERSHIP The Florida Recycling Partnership (FRP) is a coalition of businesses and associations dedicated to improving Florida's recycling rates. Our members are proactively implementing initiatives in their organizations and companies to reduce the waste they produce, and increase recycled materials. Additionally our members are working to create greater recycling opportunities for consumers. They believe in the symbols ... reduce, reuse and recycle! The mission of FRP is to educate policy makers at the state and local level as well as the general public on the benefits of recycling. The education will focus specifically on recycling and will be done through newsletters, social media, special events and conferences. Outreach initiatives will be designed to educate and encourage Florida businesses and individuals to maximize existing recycling programs. When economically and technologically feasible expand outreach programs to include other materials. For additional information go to www.flrecycling.org.

GEOSYNTEC CONSULTANTS is a consulting and engineering firm

that works with private and public sector clients to address new ventures and complex problems involving our environment, natural resources, and civil infrastructure. Our engineers, geologists, environmental scientists, and other technical and project staff specialize in the areas of environmental studies and cleanup; infrastructure assessment, engineering, and design; environmental, health, and safety management; natural resources assessment and restoration; and structural extreme load analyses, fluid dynamics, and risk mitigation services. Our firm's practitioners deliver advanced solutions throughout the United States and at select locations in Australia, Canada, Ireland, Malaysia, and the United Kingdom. Geosyntec was founded in Florida, where the firm maintains nine offices, including its corporate operations team. Most of Geosyntec's Florida practitioners have spent the majority of their career in the state. They have provided strategic counsel to officials with the Florida Department of Environmental Protection (FDEP); Region IV of the U.S. Environmental Protection Agency (USEPA); the Florida water management districts; and the Jacksonville District of the U.S. Army Corp of Engineers (USACE), among many others. www.geosyntec.com

GHD is one of the world's leading professional services companies operating in the global markets of water, energy and resources, environment, property and buildings, and transportation. Privately owned by our people, GHD provides engineering, environmental and construction services to private and public sector clients across five continents and the Pacific region. GHD has earned a reputation for excellence in site assessment and remediation, compliance, environmental impact assessment, permitting, waste management, emergency response, stakeholder engagement, water resources, and natural resource management. Committed to sustainable development, GHD improves the physical, natural and social environments of the many communities in which we operate. www.ghd.com

GOLDER ASSOCIATES is a premier global consulting firm specializing in ground engineering and environmental sciences. Golder professionals take the time to build an understanding of client needs and the specific environments in which they operate. Our staff of skilled engineers, geologists, scientists and project managers work collaboratively between offices to provide multi-disciplinary services in the manufacturing, power, oil and gas, urban development and infrastructure, mining and waste management industries. Golder's Florida Operations consists of three locations in Jacksonville, Tampa and Gainesville with nearly 125 professionals offering diverse consulting services including: power facility siting and permitting; environmental resource evaluation and permitting; remediation of environmental impacts; geotechnical engineering; solid waste permitting and design; air and water permitting; EH&S and industrial hygiene regulatory compliance; and construction services. www.golder.com/us.

THE GOLDSTEIN ENVIRONMENTAL LAW FIRM, P.A., is a boutique, environmental-only practice focusing on Brownfields reuse, economic incentives, legal liability management, and contaminated site investigation and cleanup. The Firm also provides environmental support to law firms, engineers, geologists, and consultants throughout Florida in connection with due diligence investigations, negotiation of regulatory agreements, and support of real estate transactions and corporate mergers and acquisitions. Areas of special emphasis include redevelopment of former gas stations, landfills, golf courses, nurseries, automotive dealerships, and agricultural sites and representation of big box

retailers, affordable and workforce housing developers, lending institutions, and local governments. www.goldsteinenvlaw.com.

GRAYROBINSON is a full-service corporate law firm with nearly 300 attorneys throughout 13 offices across Florida. We provide legal services for Fortune 500 companies, emerging businesses, lending institutions, local and state governments, developers, entrepreneurs and individuals across Florida, the nation and the world. At GrayRobinson, we offer not only breadth across a great many legal specialties, but depth and proficiency in each one as well. We have invented a better brand of law firm, counting creativity as a hallmark characteristic and insisting on ingenuity and innovation. At GrayRobinson, there is no such thing as "business as usual." We are one of Florida's fastest-growing law firms and are proud to be on the forefront of emerging legal issues. Our strength is built upon the collective histories of our offices across the state. Our roots run deep in each community we serve. As we have expanded across Florida, we have added to the foundations laid by prestigious law firms in Boca Raton, Fort Lauderdale, Fort Myers, Gainesville, Jacksonville, Key West, Lakeland, Melbourne, Miami, Naples, Orlando, Tallahassee and Tampa. www.gray-robinson.com.

HENDERSON, FRANKLIN, STARNES & HOLT, P.A. Since 1924, Henderson Franklin's attorneys have been assisting clients build their homes, businesses and communities in Southwest Florida. The firm's real estate attorneys, several of whom are Florida Bar Board Certified in Real Estate law, handle the acquisition, development, construction, sale, financing or leasing of commercial and residential properties. Henderson Franklin represents both private and public interests in land use and environmental law, including: permitting, zoning and litigation. They work diligently to obtain the necessary approvals for the use and development of land, defending enforcement actions, managing environmental risks, regulatory compliance and due diligence investigations. As a full service law firm, Henderson Franklin can streamline legal services and be a strategic partner. Whether in the courtroom or the boardroom, the vast depth of experience sets Henderson Franklin apart so clients can enjoy the peace of mind that comes with professional, experienced representation and exceptional client service. For more information, please visit www.henlaw.com. Offices in Fort Myers, Bonita Springs, Sanibel and Naples (by appointment only).

HSW ENGINEERING, INC. is an integrated earth science and engineering firm providing proactive, innovative, and cost-effective solutions for Environmental, Water Resources and Civil/Land Development projects. HSW provides a unique blend of expertise in engineering design, construction management, environmental compliance, permit acquisition and knowledge of state and federal regulations. HSW has acquired a national reputation for using innovative and streamlined approaches to assess and resolve a broad range of complex engineering and environmental concerns. To learn more about HSW, please visit www.hsweng.com.

Founded in 1971, JOHNSON, MIRMIRAN & THOMPSON, INC. (JMT) is a 100% employee-owned firm that provides a full range of multi-disciplined engineering, environmental, architectural, and related services to public agencies and private clients throughout the United States. Our staff of more than 1,400 professionals – engineers, architects, environmental scientists, landscape architects, planners, surveyors, construction and

program managers, inspectors, designers, CADD technicians, and GIS and Information Technology specialists – is dedicated to the highest-quality project performance. Engineering News-Record (ENR) ranked JMT among the Top 500 Design Firms (#67), Top 25 Transportation Firms (#22), and Top 150 Global Design Firms (#150) of 2015. JMT maintains several offices throughout Florida, with primary locations in Lake Mary/Orlando, Fort Lauderdale, and Tampa. Our Natural & Cultural Resources division – consisting of environmental scientists, NEPA specialists, water resource and coastal engineers, archaeologists, architectural historians, GIS professionals, and compliance specialists – provides guidance to clients for a wide variety of environmental, ecological, biological, and historical contexts. For more information, please contact Doug Skurski, MS, PWS at 407-562-4964, by email at dskurski@jmt.com, or visit our website, www.jmt.com.

KYRA SOLUTIONS Founded in 1997, Kyra Solutions has emerged as one of the leading information technology service providers to the State of Florida. This includes more than 12 years of experience helping Florida Government Agencies in implementing electronic permitting, inspection and compliance systems. With a key office in Tallahassee, and headquartered in Lakeland, the firm has successfully completed, on-time and within-budget, numerous fixed-price and fixed-deliverable projects. A number of these projects and IT systems have been implemented with the various Water Management Districts and the Florida Department of Environmental Protection. Since 2001, Kyra's only focus is to serve the State of Florida and that focus will remain for the foreseeable future. Our 130+ strong team of associates that include a core team of Project Managers, Business Analysts, and Architects, are always ready to bring value to our clients. Kyra is thankful to our employees and clients for helping our company achieve the following awards and recognitions: Florida's Best Companies to Work for 2014 and 2015, by Florida Trend Magazine; Awarded Inc. 5000 America's Fastest Growing Private Companies for 2007, 2008, and 2009; Awarded Greater Tampa Bay's Fast 50 Companies for 2007, 2008, and 2009; Kyra's implemented, E-Permitting system, for South Florida Water Management District's was awarded Project Management Institute's (South Florida Chapter) Best Project Planning and Execution Award in 2008; Kyra's implemented AirCom, Air Inspection and Compliance system for FDEP, received a National Award by the AAPCA (Association of Air Pollution Control Agencies); Florida Water Star Certification Award; PMI Registered Consultant Program (RCP) - First firm to achieve this recognition in Florida; and Florida TaxWatch recognized a Kyra Project (FL-SOLARIS) for improved Government efficiency. www.kyrasolutions.com.

Founded in Orlando, Florida in 1969, LOWNDES, DROSDICK, DOSTER, KANTOR & REED, P.A., is a multi-practice business law firm. While we represent corporate, entrepreneurial and individual clients across a myriad of industries locally, nationally and beyond our borders, from offices in Orlando, Gainesville, Melbourne, and Mount Dora, our deep-rooted involvement in the real estate industry remains an integral component of the firm, with a strong focus on governmental approvals and land use, as well as environmental matters. Rated AV by Martindale-Hubbell peer review, the firm is a founding member of Meritas, a global alliance of independent law firms offering local insight, local rates and world-class service. LOCAL ROOTS. BROAD REACH. SM www.lowndes-law.com

MECHANIK NUCCIO HEARNE & WESTER provides a full range of

legal services related to real estate and business with special emphasis on transactions and governmental relations. The firm provides services to clients involved in complex real estate transactions and the development of real property, including Development of Regional Impact review, plan amendments, rezoning, permitting, historic preservation, wetlands, transportation and threatened and endangered species. The firm's environmental practice includes site assessments and compliance audits, brownfields, enforcement defense, wetlands and protected species, Superfund and RCRA, storage tank and dry cleaner site regulation, remediation and reimbursement, solid and hazardous waste, and air and water emissions. www.floridalandlaw.com.

THE NASON YEAGER LAW FIRM was founded in 1960 and is Martindale-Hubbell AV rated. The Firm offers a broad range of strategic legal counsel to clients throughout the State of Florida and Nationwide. Our attorneys are highly experienced in a variety of disciplines including environmental, land use, water, real estate, administrative, health-care, banking, governmental, securities, and taxation law. Nason Yeager provides complex civil and appellate litigation services in all administrative, state and federal courts. Throughout its 50-year history, Nason Yeager serves a diverse client base with a Florida focus with strategies designed to be both efficient and effective. www.nasonyeager.com.

OERTEL, FERNANDEZ, BRYANT & ATKINSON, P.A. The law firm of Oertel, Fernandez, Bryant, & Atkinson, PA, has been providing high-quality legal services in the areas of Environmental, Land Use, Regulatory, Governmental, and Licensing Law to clients throughout Florida for more than 30 years. The firm represents clients in the private and public sectors in state and federal courts, and before federal, state, and local agencies. The firm's regulatory practice includes water resources, water and air permitting, wetland permitting, mining, submerged lands, growth management, zoning, utilities and energy law, health care law, labor law, and professional licensing matters. The firm routinely assists clients with issues involving competitive bidding, bid protests, eminent domain, corporate law, construction law, lien law, employment disputes, and non-competition agreements. The firm also lobbies on behalf clients before the executive and legislative branches of the State of Florida. In order to attain our client's goals, we have developed and fostered good working relationships built on trust with many regulatory agencies, including the Florida Department of Environmental Protection, the Army Corps of Engineers, Florida's five Water Management Districts, the Department of Business and Professional Regulation, the Agency for Health Care Administration, the Florida Department of Health, the United States Environmental Protection Agency, the Florida Department of Community Affairs, the Florida Department of Financial Services, the Florida Department of Agriculture and Consumer Services, and the Florida Department of Transportation. The firm is "AV" rated by the national Martindale-Hubbell Legal Directory. The "AV" rating is the highest designation attainable and is based on a firm's professional qualifications, reputation, and ethics. www.ohfc.com. Members of the firm have been recognized by the Florida Trend Magazine as "Legal Elite" (Segundo J. Fernandez and Timothy P. Atkinson), by Chambers Best for Business (Kenneth Oertel and Segundo J. Fernandez), and as Super Lawyers (Kenneth Oertel, Segundo J. Fernandez, and Timothy Perry). www.ohfc.com.

ORLANDO UTILITIES COMMISSION – THE RELIABLE ONE Established in 1923 by a special act of the Florida Legislature, OUC—

The Reliable One is the second largest municipal utility in Florida and 14th largest municipal in the country. OUC provides electric, water, chilled water and/or lighting services to more than 234,000 customers in Orlando, St. Cloud and parts of unincorporated Orange and Osceola counties. According to data provided by the Florida Public Service Commission, OUC has been more reliable than the state's investor-owned utilities for 17 years running. OUC is focused not just on reliability and affordability, but weaves sustainability into everything it does. This includes opening the area's first community solar farm, installing nearly 150 electric vehicle charging stations, implementing a comprehensive corporate recycling program and encouraging its customers to use energy and water as wisely as possible. www.ouc.com.

RASCO KLOCK's environmental practice group represents clients before all regulatory agencies and courts in the state of Florida. The Firm's attorneys previously worked for federal and local environmental agencies, as well as a Fortune 100 company as senior environmental counsel. For years, attorneys from the group have been in the forefront of environmental issues throughout Florida, including litigation and administrative proceedings under the Clean Water Act and Clean Air Act and their state analogs. Rasco Klock attorneys appear regularly before federal administrative agencies and in federal district and appellate courts throughout Florida and the country on such matters as well as the State's rulemaking process, having been integrally involved in the development of the both air and water quality regulations and the drafting of Florida's initial brownfields legislation. Firm attorneys have also prosecuted and defended several "rule challenge" proceedings relating to such diverse matters as water quality standards, water permitting, air pollution trading and agency operations. The Firm's environmental group has worked many complex, multi-party environmental cases, including past and current lead counsel roles in state administrative proceedings and federal and appellate courts in litigation involving the Everglades and the Clean Water Act. The Rasco Klock team also has significant experience in defending complex enforcement cases brought by federal, state and local governmental entities for alleged violations of environmental laws and regulations, from CERCLA matters to Clean Water Act cases, to enforcement of county and local environmental ordinances. Our attorneys serve as group counsel to numerous "potentially responsible parties" or "PRPs" in Superfund cases. www.rascoklock.com.

S&ME is an award-winning engineering and environmental services firm employing 1,100 professional and support staff with 28 offices in Florida, Alabama, Georgia, Kentucky, Ohio, North Carolina, South Carolina, Tennessee and Virginia. The company was founded in 1973. Its principal service lines are geotechnical engineering; construction materials engineering and testing; environmental services, occupational health and safety, water resources and solid waste engineering, and natural resources and cultural resources. S&ME has won more than 70 Engineering Excellence Awards from state chapters of the American Council of Engineering Companies. The firm is annually ranked in Engineering News-Record (ENR) magazine's Top 500 Design Firms and Top 200 Environmental Firms. S&ME's markets include education, federal/military, healthcare, Brownfields redevelopment, industrial, petroleum retailers, ports and terminals, power, residential, retail/commercial, insurance, solid waste and transportation. The company is employee owned and stresses an unconditional commitment to safety and to engineering integrity. Learn more at www.smeinc.com.

SCS is an employee-owned environmental consulting and construction firm that designs and implements sustainable environmental solutions. SCS is a full service provider serving public and private clients across the nation and around the world. Our Florida offices have been providing environmental services throughout Florida since 1985 and currently are located in Boca Raton, Miami, Orlando, and Tampa. We study challenges and design solutions; we remediate, build and operate environmental and energy projects and systems; and we monitor a wide range of environmental control systems. Our core capabilities are: solid and hazardous waste management, landfill gas, site remediation, renewable energy, and regulatory compliance for air, water, and soil. We remain at the forefront applying new processes and technologies to improve environmental compliance, reduce project risk, and provide our clients the ability to foresee and adapt business to environmental, social, economic and regulatory change. Continuous improvement, our in-the-field experience, and our deep involvement in the industries we serve help us deliver smart and simple solutions that work. www.scsengineers.com

SMOLKER BARTLETT SCHLOSSER LOEB & HINDS, P.A.

As buying, selling and developing real estate becomes more and more complex, so does the need for solid, practical legal advice from a knowledgeable and experienced source. The attorneys at Smolker Bartlett Schlosser Loeb & Hinds, P.A. focus on addressing all our clients' property law issues and needs, including real estate transactions, land use and environmental permitting, natural resources law, submerged land rights, water use, eminent domain, inverse condemnation, property tax appeals, title insurance and administrative, civil trial and appellate litigation in state and federal court. Our passion is to efficiently and effectively solve our clients' legal problems while adding value to their enterprises. Contact us for a preliminary consultation as (813) 223-3888 or visit us online at www.smolkerbartlett.com.

STANTEC We're active members of the communities we serve. That's why at Stantec, we always design with community in mind. The Stantec community unites more than 15,000 employees working in over 250 locations. We collaborate across disciplines and industries to bring buildings, energy and resource, and infrastructure projects to life. Our work-professional consulting in planning, engineering, architecture, interior design, landscape architecture, surveying, environmental sciences, project management, and project economics—begins at the intersection of community, creativity, and client relationships. Since 1954, our local strenath. knowledge, and relationships, coupled with our world-class expertise, have allowed us to go anywhere to meet our clients' needs in more creative and personalized ways. With a long-term commitment to the people and places we serve. Stantec has the unique ability to connect to projects on a personal level and advance the auglity of life in communities across the globe. Stantec trades on the TSX and the NYSE under the symbol STN, www.stantec.com

SURVTECH SOLUTIONS is a full service surveying and mapping firm with offices in Tampa and Sanford, Florida. Since 2004, SurvTech has provided surveying services throughout Florida and the Southeastern US (FL, GA, SC, NC, KY, AL, LA, MS, TN & TX). Our services include conventional land surveying, hydrographic surveying (single beam, multi beam, side scan and interferometric), subsurface utility mapping (GPR, ERI & EM), including soft dig capability (vacuum excavation), 3D high definition laser scanning and 3D modeling, geophysical mapping (sink holes) and GIS. SurvTech's personnel are OSHA 40 hour, MSHA and Phos-

phate certified, as well as TWIC and MICCS badged for working at all active mine, utility and port sites. SurvTech offers the turn key solutions for all your mapping needs. www.survtechsolutions.com

TETRA TECH, INC., established in 1966, is a full service engineering consulting firm. We offer proven experience and demonstrated expertise in Civil Engineering, Hydrogeology, Water and Wastewater Treatment, Stormwater Management, Survey, Mapping, GIS, Aviation, Transportation, Permitting and Construction Services. Tetra Tech has designed, permitted and constructed several large well fields and brackish groundwater reverse osmosis water treatment plants in Florida. Our award winning team has been recognized for innovation and dedication over the years, and we bring that perspective to each new project. Engineering News Record (ENR) has ranked Tetra Tech No. 1 in Water Treatment and Desalination, and No. 8 for Engineering Design Services. For more information, please visit our website at www. tetratech.com

TRINITY CONSULTANTS For over 40 years, Trinity Consultants has assisted organizations with environmental permitting and compliance challenges, specializing in air quality issues (experts in air permitting and the go-to firm for dispersion modeling). Trinity places a great emphasis on hiring and developing the most talented environmental professionals to deliver accurate, thorough, and consistent compliance assistance. Our network of environmental experts spans North America and includes teams in Ching, the Middle East, and the United Kingdom. With such a broad footprint, Trinity is able to serve a variety of clients with robust solutions based on the international forefront of environmental permitting and compliance strategy. By maintaining local offices in Florida with staff intimately engaged with DEP in Tallahassee, each district, and all local agencies. Trinity can combine national experience with local insight and relationships. Trinity provides innovative, cost effective solutions in the areas of air permitting and regulatory compliance, sustainability and environmental management, greenhouse gas reporting and strategy. air dispersion modeling, EH&S auditing, toxicology & industrial hygiene, and EH&S information management. Trinity also provides extensive professional training on environmental topics. environmental modeling software, and environmental staffing services. www.TrinityConsultants.com

VANASSE HANGEN BRUSTLIN, INC. (VHB) has served Florida for over 30 years providing comprehensive and integrated services to public and private clients. From planning and design for new communities to water quality monitoring to designing and handling complex environmental permitting, VHB helps clients find the best planning, design and engineering solutions which benefit communities, respect our fragile ecosystems, and contribute positively to economic development. VHB is a Charter Member of the Institute for Sustainable Infrastructure (ISI), the developer of the Envision Rating System, a tool that measures and facilitates the achievement of social, economic, and environmental sustainability goals through capital improvement projects. VHB staff serve on ISI's key committees and over 100 VHB staff have earned the Envision Sustainability Professional (ENV-SP) credential. VHB has 1,100 staff in 23 offices, with Florida offices in Orlando and Sarasota. www.vhb.com

WANTMAN GROUP, INC. (WGI) is a Florida consulting firm founded in 1972 to provide a comprehensive range of infrastructure services for both the public and private clients. With over 300 professionals, WGI offers a diverse range of services, including Envi-

ronmental Sciences, Civil Engineering, Surveying and Mapping, Transportation Engineering, Structural Engineering, Subsurface Utility Engineering, Landscape Architecture, Land Planning, Water Resources Planning, and Creative Services. The WGI Environmental Division is recognized statewide as a leader in innovative, cost saving, state and federal permitting solutions for both public and private clients - solutions that are built on a foundation of respect for the environment and fairness to our clients. WGI has a highly experienced team of environmental scientists, biologists and geologists with an unsurpassed knowledge of local, state and federal permitting rules and regulations. The WGI Environmental Division is led by a former associate Director of the White House Council on Environmental Quality (CEQ) and Deputy Assistant Secretary of the Army (USACOE). He is supported by a team with over 120 years of environmental experience in Florida, including former state and federal regulators. From Project Development & Environment (PD&E) work with FDOT projects, the preparation of NEPA documents, environmental policy formulation, environmental site assessments (contamination, wetlands, T&E Species, etc.) for private projects, all the way through environmental resource permitting and post permit compliance, there isn't a scope too big or too small, that the WGI Environmental Division has not successfully managed for public and private clients. Highly recognized for exceptional service, as WGI continues to grow throughout Florida it remains committed to excellence, its core beliefs and a high standard of ethics. WGI's Corporate Office is located in West Palm Beach with branch offices in Fort Lauderdale, Jacksonville, Orlando, Port St. Lucie, Tallahassee, and Tampa to better serve our clients throughout Florida. www.wantmangroup.com

WESTERVELT ECOLOGICAL SERVICES (WES) creates mitigation banks and provides environmental mitigation and habitat planning services to landowners, businesses, government agencies, and land trusts. A division of The Westervelt Company, a private land resource organization founded in 1884 and headquartered in Tuscaloosa, Alabama, the established industry leaders at WES excel in the field of wetland and endangered species mitigation services, and to-date have created a nationwide habitat mitigation company consisting of 18 approved mitigation and conservation banks located in four states. Celebrating its tenth business anniversary in 2016, WES will also expand this year into the Rocky Mountain region, establishing its third regional office and staff in Englewood, Colorado. Other WES regional offices are located in Sacramento, California, and Auburn, Alabama. For additional information please visit www.wesmitigation.com.

WSOURCE was formed in 2008 to provide comprehensive storm water management consulting, compliance inspections, and a cloud-based storm water management compliance system (LiveSWPPPTM) for ports, shipyards, airports, and their tenants. WSource has evolved to provide a broad range of environmental consulting services, helping our clients understand their environmental risks and responsibilities and, by taking timely and appropriate actions, avoid complex and expensive corrective actions. We work closely with our clients and their outside legal, engineering, and scientific consultants in every phase of development - from due diligence and entitlement to construction, operation, and maintenance. Our depth of regulatory knowledge and level of insight into the policy decisions of the executive and legislative branches of government provides our clients with a distinct advantage when cost-effective and timely solutions are needed. For additional information, please visit www.WSource-

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