

VAWP ANNUAL FALL MEETING & WETLAND RESEARCH SYMPOSIUM

Hyatt Place Fredericksburg
at Mary Washington

1241 Jefferson Davis Highway
Fredericksburg, Virginia 22401
Phone: 540.654.3333

October 14th & 15th, 2015



The Virginia Association of Wetland Professionals (VAWP) and Wetland Studies and Solutions, Inc. (WSSI) are proud to present the 2015 VAWP Annual Fall Meeting and Wetland Research Symposium.

Day 1 of this event focuses on a summary of the current legal issues concerning environmental regulations and presentations from local, state, and federal agencies including the United States Environmental Protection Agency, the United States Army Corps of Engineers, the Virginia Department of Environmental Quality, the Virginia Department of Conservation and Recreation, and the County of Fairfax. Day 1 closes with a presentation from WSSI introducing the development of the wetlands research program which is the focus of Day 2.

Day 2 focuses on wetland research supported by WSSI and the Peterson Family Foundation. The first presentation will feature work by the Virginia Institute of Marine Science and Christopher Newport University on improving wetland reforestation practices. The balance of the program will focus on Wetbud, a new wetland water budgeting program. Wetbud is a new tool for estimating wetland water budgets using available weather data and site-specific topographic, soil and geohydrologic data, coupled with mass balance mathematics. Wetbud was developed by an interdisciplinary team of scientists from Virginia Tech, Old Dominion University and the University of Kentucky.

Please join us for this event at the University of Mary Washington Campus.

DAY 1 - OCTOBER 14TH

AGENDA

8:30 - 9:00am	Registration
9:00 - 9:15am	Welcome & President's Corner
9:15 - 9:45am	Legal Update: The Latest in Wetlands Law - John Lain (McGuireWoods)
9:45 - 10:15am	TBD - Drew Hammond (VDEQ)
10:15 - 10:30am	Break
10:30 - 11:00am	Virginia Wetlands Catalog – A Statewide Prioritization Tool for Wetland Conservation & Restoration – Jason Bulluck & Joe Weber (VDCR)
11:00 - 11:45am	Implementation of the Clean Water Rule - Ellen Gilinsky (USEPA)
11:45 - 1:00pm	Business Meeting / Lunch (provided)
1:00 - 1:45pm	TBD - Tom Walker (USACE)
1:45 - 2:15pm	Fairfax County: Stream Restoration & Protection in Urban Watersheds - Matt Meyers, Emma Gutzler & Charles Smith (Fairfax County)
2:15 - 2:30pm	Break
2:30 - 3:00pm	Using 25 Years of Wetlands Mitigation “Lessons Learned” to Create a Research Program - Mike Rolband (WSSI)
3:00 - 3:15pm	Closing

Day 1 Sponsors*

GOLD


Dover Farm Mitigation Bank
An Ecosystem Investment Partners project

SILVER



BRONZE



*See attached on how to join our current sponsors.

Presenters

JOHN LAIN

McGUIREWOODS

John is a partner in McGuireWoods Regulatory and Compliance Group, and is based in Richmond, Virginia. His practice focuses on environmental, energy and natural resource issues, particularly liability, permitting and due diligence issues associated with commercial and industrial transactions and development.

DREW HAMMOND



Drew serves as the Virginia Department of Environmental Quality (VDEQ) Stormwater Program Manager. In this role, he serves as the primary point of contact for the stormwater management program.

JASON BULLUCK & JOSEPH T. WEBER



Jason leads the Information Management section of the Virginia Department of Conservation and Recreation (VDCR) - Natural Heritage Program (NHP). Jason oversees staff and projects pertaining to biodiversity-focused land conservation, predictive species modeling, statewide conservation planning and the management of the state conservation lands database. Jason also manages the NHP data and conservation tools to conservation partners. Joe has been a Conservation Biologist with VDCR since 1998. He earned a Master of Science in Wildlife Science from Cornell University. Joe develops products for conservation planning by conducting geospatial analyses to predict habitats and map ecological integrity, natural vegetation communities, biodiversity, natural lands, wetlands and other ecological resources.

DR. ELLEN GILINSKY



Ellen serves since 2011 as the Senior Policy Advisor for Water at the Environmental Protection Agency. In this position Dr. Gilinsky addresses policy and technical issues related to all EPA Water programs, with an emphasis on science, water quality and state programs. Prior to this appointment she served as Director of the Water Division at the Virginia Department of Environmental Quality (DEQ), where she supervised a diverse array of water quality and quantity programs, and before that as Manager of the Office of Wetlands and Water Protection.

TOM WALKER



US Army Corps of Engineers

Tom is the Chief of the Regulatory Branch for the U.S. Army Corps of Engineers, Norfolk District. Tom has been with the Corps for 20 years, the last 5 in his current position. Prior to moving to Norfolk, Tom was with the Wilmington District Regulatory Division. He has worked in both mountain and coastal environments and has also worked extensively in the preparation of Environmental Impact Statements and conditional permit approvals for large scale projects including beach nourishment, water supply, and mining.

MATT MEYERS, EMMA GUTZLER & CHARLES SMITH



Matt serves as the Watershed Projects Implementation Branch Chief for the Fairfax County Stormwater Planning Division. Emma and Charles manage numerous stormwater and stream restoration projects throughout the County.

MIKE ROLBAND



Mike is the founder of Wetland Studies and Solutions, Inc. (WSSI), a 100+ person natural and cultural resources consulting firm in Gainesville, Virginia (a subsidiary of The Davey Tree Expert Company). Mike led the firm as a one-person wetlands consulting firm into an integrated multi-discipline firm. He has developed several mitigation banks, including Virginia's first (1991), and created an ongoing multi-million dollar wetlands research initiative. In addition, Mr. Rolband was instrumental in developing Virginia's "stand alone" wetland law, and a member of the technical advisory committee that developed subsequent regulations.

DAY 2 - OCTOBER 15TH

Presenters

DR. JIM PERRY

Jim is a Professor of Marine Science at the College of William and Mary's Virginia Institute of Marine Science (VIMS). His primary research interests involve monitoring stress and documenting long-term ecological changes in vascular plant communities of tidal and non-tidal wetlands, and the relationship of those changes to changes in environmental parameters within watersheds. He has published over 50 peer reviewed journal articles, book chapters, and editorials. Dr. Perry is a Lifetime member and Immediate Past President of the Society of Wetland Scientists.



DR. W. LEE DANIELS

Lee is the Thomas B. Hutcheson Jr. Professor of Soil Environmental Science at Virginia Tech, where he received his PhD in 1985. His teaching and research programs focus on the rehabilitation of drastically disturbed landscapes. Current programs include prime farmland restoration following mineral sands mining, water quality impacts of mountaintop coal mining and enhancing wetland creation efforts.



DR. ZACH AGIOUTANTIS

Zach is the Mining Engineering Foundation Professor at the Department of Mining Engineering at the University of Kentucky. His current research interests are in rock mechanics and computer applications for the mining and geotech industry. He has developed a number of such applications both in the US and Europe.



DR. TESS THOMPSON

Tess is an associate professor and in Biological Systems Engineering at Virginia Tech. Dr. Thompson has degrees in agricultural, civil, and biological systems engineering. She has worked as an engineer in state government and private consulting, as well as a consultant to US AID. Her current research focus is in watershed management with an emphasis on stream and wetland restoration, urban stream systems, and streambank erosion. She teaches courses in fluvial geomorphology and stream restoration. She has published over 40 publications and has been a frequent invited speaker on streambank erosion and low impact development.



DR. RICH WHITTECAR

Rich is a University Professor at Old Dominion University who studies landscapes and wetlands. He and his students conduct research into the hydrogeology of wetlands across Virginia. Rich also studies how landscapes responded to climate changes and glacioisostatic adjustments throughout the Quaternary.



MR. STEPHEN STONE

Stephen is a Masters student at Old Dominion University. He started at ODU fall of 2013 after graduating from James Madison University with a B.S. in Geology. His work at ODU focuses on understanding the hydrologic response caused by wetland expansion at a restored freshwater emergent wetland in Fairfax County, Virginia.



MR. BEN HIZA

Ben is a Masters student at Old Dominion University, starting in 2013. His research focuses on groundwater and tidal controls affecting wetland hydrology in a freshwater tidal setting.



AGENDA

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|-----------------|---|
| 8:30 - 8:50am | Registration |
| 8:50 - 9:00am | Welcome |
| 9:00 - 10:00am | Response of Wetland Woody Species to Planting Method & Soil Wetness - Dr. Jim Perry (VIMS) |
| 10:00 - 10:30am | Water Budgeting Background & Introduction to Wetbud - Dr. W. Lee Daniels (VT) |
| 10:30 - 10:45am | Break |
| 10:45 - 11:30am | Program Structure & Data Needs for Wetbud - Dr. Zach Agioutantis, UK; <i>with hands-on Wizard demo</i> |
| 11:30 - 12:00pm | Understanding & Specifying Surface Water Components for Wetbud with a Focus on the Basic Model - Dr. Tess Thompson (VT); <i>with hands-on demo by Dr. Agioutantis</i> |
| 12:00 - 1:00pm | Lunch (provided) |
| 1:00 - 1:30pm | Understanding & Specifying Groundwater Components for Wetbud - Dr. Rich Whittecar (ODU); <i>with hands-on demo by Dr. Agioutantis</i> |
| 1:30 - 2:00pm | Building an Advanced Model Project Scenario - Mr. Stephen Stone & Mr. Ben Hiza (ODU) |
| 2:00 - 3:45pm | Hands-on Demonstrations* of Basic & Advanced Models - Mr. Stephen Stone & Mr. Ben Hiza; <i>with hands-on demos by Dr. Agioutantis</i> |
| 3:45 - 4:00pm | Closing Comments and Adjourn |

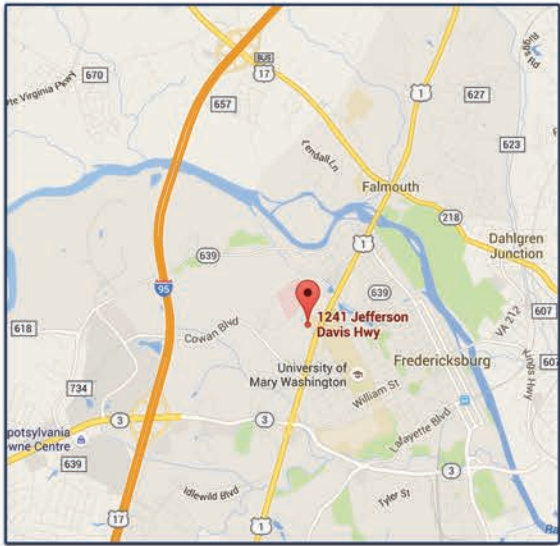
*All attendees will be encouraged to download the Wetbud program and scenario files before the session.

Day 2 Sponsor



Please visit
<http://www.vawp.org>
to join or renew your membership

DIRECTIONS



Hyatt Place Fredericksburg 1241 Jefferson Davis Highway
at Mary Washington Fredericksburg, Virginia 22401
Phone: 540.654.3333



Contact Hyatt Place to book -
Block Rate: \$99/night
Cutoff date is September 21, 2015

From I-95 South:

- Take I-95 South to Exit 133A onto US-17 Business South Warrenton Road and continue for 2 miles;
- Turn Right onto US 1 South Jefferson Davis Highway for 1.5 miles;
- Turn right on Eagle Village Drive;
- Hotel is on the left.

From I-95 North:

- I-95 North to Exit 130A to merge onto US-3 take for 1.5 miles;
- Take Exit US-1 to Right Headed North for 1 mile;
- Turn left onto Eagle Village Drive;
- Hotel is on the left.

REGISTRATION

Full Conference Registration Fees:

VAWP Members -	\$45.00
Nonmembers -	\$65.00
Students -	\$30.00

Please detach
and send with
a check made
payable to:

VAWP 2015 Fall Meeting &
Wetland Research Symposium
c/o J.C. Douglass
CLARK NEXSEN
4525 Main Street, Suite 1400
Virginia Beach, VA 23462

Phone: 757.620.7914

Name: _____

Affiliation: _____

Street Address: _____

City, State, Zip: _____

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Lunch Requested (check days that apply): ☐ October 14th ☐ October 15th

☐ Vegetarian Option

☐ Presenter. Registration is waived; however, please indicate lunch options above.

☐ Sponsor (Gold/Silver). Registration is waived; however, please indicate lunch options above.

Current Member of VAWP? ☐ Yes ☐ No

If you are not a current VAWP member, go to <http://www.vawp.org/join>
and download the membership form to join.

PLEASE CONSIDER SPONSORING THIS EVENT!

SPONSORSHIP FORM

Virginia Association of Wetland Professionals



<http://www.vawp.org>

ABOUT VAWP

The Virginia Association of Wetland Professionals (VAWP) is a state-wide organization that was established to bring together wetland scientists, regulators, managers, design professionals, attorneys and other wetland professionals in an independent forum that promotes discussion and exchange of ideas on wetland issues important in Virginia; improve the effectiveness and efficiency of wetland management through the development and operation of certification programs, training and education in wetland delineation, functional assessment, best management practices, mitigation and other areas; encourage improved public and private partnerships, planning and protection of wetlands based on best available science, technology and engineering practices; encourage the conservation and responsible use of wetland resources; and encourage and promote continued research and public education in the area of wetland functions and values.

VAWP currently has over 125 members across the state that work every day to protect, conserve, and restore wetlands. Annual meetings typically draw over 50% of our membership and offer the unique chance to collaborate with like-minded consultants, regulatory agents, and academicians to explore the current status of the regulations and science surrounding wetland practice. Join or sponsor VAWP today!



Yes! We are interested in sponsoring the VAWP 2015 Fall meeting.

Please indicate your level of sponsorship:

- | | |
|---|----------|
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| <input type="checkbox"/> SILVER Sponsor | \$250.00 |
| <input type="checkbox"/> BRONZE Sponsor | \$100.00 |

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Please send checks and this completed form to:

Virginia Association of Wetland Professionals
c/o Mr. John Lowenthal
Cardno
501 Butler Farm Road, Suite H
Hampton, Virginia 23666

Company Name: _____

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Company Point of Contact Information:

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Phone Number: _____ **Fax Number:** _____

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Gold Sponsorship (\$500) -

Your company would receive:

- two (2) free registrations to the meeting being sponsored.
- company name on the meeting announcement & flyer.
- recognition at the meeting for sponsorship.
- space and a table reserved to display a poster and set up company paraphernalia.

Silver Sponsorship (\$250) -

Your company would receive:

- one (1) free registration to the meeting being sponsored.
- company name on the meeting announcement & flyer.
- recognition at the meeting for sponsorship.
- space reserved to display an easel/poster

Bronze Sponsorship (\$100) -

Your company would receive:

- company name on the meeting announcement & flyer.
- recognition at the meeting for sponsorship.

THANK YOU FOR YOUR SUPPORT.