

DRAFT PROGRAM

(As of February 22, 2002)

Sunday, March 10, 2002

- 11:00 Inaugural VLWA Golf Tournament
Redwing Golf Course, Virginia Beach
- 2:00 – 6:00 PM Exhibitors' Display Set Up (Exhibitors' Hall)
- 5:00 – 7:00 PM Registration (Conference Reception Desk)
Meeting of VLWA Board of Directors (Elm Room)
- 7:00 – 8:30 PM Exhibitor and Early Registrant's Reception (President's Suite)

Monday Morning, March 11, 2002

- 7:00 – 8:00 AM Registration and Check-In (Conference Reception Desk)
- 7:30 AM Coffee and Pastries (Grand Ballroom)
- 8:00 – 9:00 AM President's Welcome – Keynote Speaker
- 9:15 – 10:45 First Concurrent Sessions

| SESSION 1A WATER QUALITY AND TMDLS | SESSION 1B LAKE MAINTENANCE AND DREDGING |
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| Moderator: David Rosenthal, City of Norfolk | Moderator: Martin Firth, Lake Services of Virginia |
| Development of Methods for Identifying Sources of Fecal Pollution in Water—Charles Hagedorn, A.M. Booth, A.K. Graves, A.E. Brooks, E.E. Martin – VA Tech | Sedimentation and Sediment Management Program Study of Lake Accotink, Fairfax County, VA—Pieter Dahmen – HDR Engineering |
| Fecal Coliforms, Nitrates, and Algae: What do we know about them at Smith Mountain Lake and Claytor Lake?—Carolyn Thomas, David Johnson – Ferrum College | Structured Planning Approach Identifies a Creative Solution to Dredge Disposal, Dredge Study at Lake Accotink, Fairfax County, VA—John Wisner – HDR Engineering |
| The Development of the Thumb Run Fecal Coliform TMDL—Christine Estes – | Private Lake Enhancement-A Partnership—Edwin Wrightson, Traci Floyd – City of |

GKY&A

Newport News

Selecting the Proper Lake Model: A Case Study of the Busse Woods Lake, IL TMDL—J. Timothy Hare, Mark Mittag, Sayedul Choudhury - CH2M Hill

Electronic Hydrographic Survey Techniques—Dave Pearson – GKY&A

11:00 – 12:30

Second Concurrent Sessions

| SESSION 2A WATER QUALITY AND TMDLS II | SESSION 2B STORMWATER MANAGEMENT | SESSION 2C HIGHWAY STORMWATER AND PERMITTING |
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| Moderator: Bill Johnston, City of Virginia Beach | Moderator: Tim Davey, Timmons | Moderator: Rebecca Francese, Waterway Surveys & Engineering |
| Generating Pollutant Loads to Lakes and Rivers with PLOAD, the Simple Method with a GIS Twist—Laurens van der Tak, J. Timothy Hare – CH2M Hill; Russell Kinerson - EPA | Warehouse Creek Watershed Stormwater Management Master Plan Study—Chandler Morse, Sara VanKeuren, Chris Keene – Post, Buckley, Schuh & Jernigan; Jennifer Smith – Howard County Dept. of Planning | The New VDOT Drainage Manual in “Electronic Format” Presentation—Glenn Bottomley – Parsons Brinckerhoff |
| Application of Genetic Algorithm (GA) Optimization Technique in Lake DO Water Quality Modeling—Talat El-Gamal, Khanh Pham, Jaewan Yoon – Old Dominion University | GPS Technology, The Preferred Approach for Conducting a Stormwater Infrastructure Inventory—David Sidney Ward – Loudoun County Dept. of General Services | Permit Administration Database System (PADS) - John N. Paine, Kondo Litchmore - URS Corporation; Mark A. Johnson, William J. Johnston - City of Virginia Beach |
| Characterization of the Aerator Influenced DO and Spatiotemporal Hypolimnetic Water Quality Relationship in Lake Prince, VA—Chalermopol Wangsomcholk, Khalid Qadwai, Jaewan Yoon – Old Dominion University | Oxford Run Drainage Study – Perspective for Future Growth in the City of Poquoson—Ved Malhotra – Michael Baker Jr., Inc.; Jeffrey Bliemel, Charles Burgess, Jr. – City of Poquoson, VA | “Permitting” the Woodrow Wilson Bridge Mega-Project—Thomas Heil – Rummel, Klepper & Kahl |
| Watershed-Scale Nonpoint Source Water Quality Modeling of Muddy Creek, | SWMM At the Beach: A Watershed Evaluation | Stormwater Management and Wetland Mitigation Design for an Urban Roadway Project—Kevin Shunk – Dewberry & Davis |

Rockingham County, VA— Study of the North Beach
 Saurabh Kulkarni, Lianghua Section of Virginia Beach,
 Zhou, Jaewan Yoon – Old VA—David Speer,
 Dominion University Parsons Brinckerhoff

12:45 – 1:45 PM Luncheon (Grand Ballroom)

Keynote Address -- Dr. Rupert Cutler

Former professor, Michigan State University; Nominated to serve the US Dept of Agriculture as its Asst Secretary for Natural Resources and Environment, and Science and Education; Former Executive Director of Explore Park; Former Executive Director of the Western Virginia Land Trust

Monday Afternoon, March 11, 2002

2:00 – 3:30 PM Third Concurrent Sessions

| SESSION 3A WATER QUALITY MANAGEMENT | SESSION 3B INNOVATIVE STORMWATER SOLUTIONS | SESSION 3C FEMA Flood Insurance Programs (VFMA) |
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| Moderator: Ken Young, GKY and Associates, Inc. | Moderator: Mark Johnson, City of Virginia Beach | Moderator: Corey Garyotis, Dept. of Conservation & Recreation |
| The Albemarle-Pamlico National Estuary Program: A Watershed Management Joint Venture Between Virginia and North Carolina—Ernest Brown – VA DCR; Guy Stefanski – NC Dept. of Environment and Natural Resources | Innovative Stormwater and Erosion and Sediment Control Ordinances in Bluefield, VA—Shane Parson – Anderson and Associates | Overview of FEMA's Cooperative Programs to Update FISs and FIRMs and to Plan for Pre-Disaster Mitigation Measures—Jerry Sparks, Chris Tagert - Dewberry & Davis LLC |
| Monitoring of Recreational Beaches of the Swift Creek Reservoir, a Non-Tidal Fresh Water Reservoir, for Soil Bacteria Levels— George DuVal, Stephanie Feaser, Weedon Cloe, Carmen Hein-Harmon, Dave Sirois – Chesterfield County Utilities Dept.; Carol Lenti, Eileen Atkinson – Millwood | Dry Weather Screening: Weather Watching 101— David Ihde, URS Corporation | North Carolina's Statewide Program—Tim McCormick, Eric Simmons – Dewberry & Davis LLC |
| | Sweeping—Stuart Finley – Lake Barcroft Watershed Improvement District | Project Impact in the Central Shenandoah Valley—Pre-Disaster Planning for Flood Mitigation—Rebecca Joyce – Central Shenandoah Planning District Commission |
| | Unconventional Work Force: Cleaning Major Canals with Prison Labor— William Brite, Vasilios Hadjiyiasemi – City of Virginia Beach , Operations Management Division | Funding Water Resource |

School Science Program

A New Infiltration Pond Model for Shallow Water Table Conditions—Kaveh Zomorodi, Dewberry & Davis

Permitting a Regional Stormwater Management Facility Yesterday and Today—Melissa McCanna, Geoffrey Cowan – Dewberry & Davis

Needs: FIS Updates, Flood Mitigation and NPDES Phase II—Douglas Moseley, AMEC Earth & Environmental

3:45 – 5:15 PM Fourth Concurrent Sessions

| SESSION 4A HABITAT, WATER QUALITY, AND THE CHESAPEAKE BAY | SESSION 4B WATERSHED AND STORMWATER INFRASTRUCTURE | SESSION 4C Advances in Flood Hazard Technology (VFMA) |
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| Moderator: James Spitz, Tri-County Lake Administrative Commission | Moderator: Ved Malhotra, Michael Baker Jr. | Moderator: John Paine, URS Corporation |
| Municipal Participation in Setting New Water Quality Goals for the Chesapeake Bay—Clifton Bell – Malcolm Pirnie, Inc.; William Hunley, James Pletl – Hampton Road Sanitation District | Fair Meadows Drainage and Neighborhood Revitalization City of Virginia Beach, Virginia—Robert Cosby – Michael Baker Jr., Inc.; Stephen McLaughlin – City of Virginia Beach Public Works Dept. | Hydraulic Modeling Considerations for FEMA’s National Flood Insurance Program (NFIP)—Michael DePue – Post, Buckley, Schuh and Jernigan |
| Minimum Instream Flow of the North Fork Shenandoah River, Virginia: A Habitat Assessment—Jennifer Krstolic – United States Geological Survey | Watershed Analysis Made Easy With Flow Monitoring and Citizen Input—Jack Wall, Seshadri Suryanarayani – Woolpert LLP; Anna Drake – County of York, Dept. of Environmental and Development Services | Using Technology to Manage Flood Hazard Data—Christopher Garrett, Becky Peer – URS Corporation |
| Multiple Benefits Compensation Program – Southern Watersheds of Chesapeake and Virginia Beach—Eric Walberg – | Constructing a Functional | The Status of FEMA’s Digital Flood Insurance Rate Map (DFIRM) Product—David Preusch – Michael Baker Jr., Inc. |
| | | GIS Based Flood Hazard Study and Mitigation |

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| Hampton Roads Planning District Commission; Kenneth Dierks – LandMark Design Group, Inc. | Stormwater GIS—David Sedgwick Ward, James Suddreth – Loudoun County, Dept. of General Services | Evaluation, Bristol, VA-TN—Jeff Sparrow – AMEC Earth and Environmental |
| Eliminating Fish Blockages in the Potomac River Watershed—Christopher Heyn – KCI Technologies, Inc. | Lynnhaven Water Management Plan Presentation Quality Physical Environment Strategic Issue Team and Facilities and Land Commons Policy Team Meeting—Clay Bernick – City of Virginia Beach, Dept. of Planning | |

Monday evening, March 11, 2002

- 5:15 – 6:30 PM Reception
- 6:30 – 7:00 PM Virginia Lakes and Watersheds Association Business Meeting (Grand Ballroom)

Tuesday Morning, March 12, 2002

8:00 – 9:30 AM Fifth Concurrent Sessions

| SESSION 5A WATERSHED MANAGEMENT | SESSION 5B LOW IMPACT DEVELOPMENT | SESSION 5C Dam Safety and Rehabilitation I |
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| Moderator: Shelly Frie, Woolpert LLP | Moderator: Neil Weinstein, Low Impact Development Center | Moderator: Jon Phillippe, Dept. of Conservation and Recreation |
| Chesterfield County’s Watershed Assessment and Stream Protection (WASP) Program—Scott Flanigan – Chesterfield County | Conventional Stormwater Management to Low Impact Development —Larry Gavan – Virginia DCR | Dammed If It Is – or Is It A Dam—Jon Phillippe, Tom Roberts – Virginia DCR, Division of Dam Safety |
| Development of a Watershed Management Plan for Reston, Virginia – Managing Developed | LID Planning Process for Rural Virginia Communities—John Tippett – The Friends of the | Roller Compacted Concrete for Increasing Spillway Capacity—Randall P. Bass – Portland Cement |

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| Watersheds with Dated Stormwater Management Infrastructure—Diana Saccone, Larry Butler – Reston Association; Seth Brown, Stuart Stein – GKY and Associates, Inc. | Rappahannock Remote Sensing Applications for LID—Traci Arthur – The Low Impact Development Center | Association SNAP-TITE Liner Solution—Andrew Cary – Professional Engineering Sales |
| Watershed Restoration Planning for Watersheds with Urban and Rural Land Uses—Robert Kerr, Curtis Hickman – LandMark Design Group | Low Impact Development Stormwater Management Retrofit Design for Restoration of Long Pond, Littleton, Massachusetts—Steve Roy – GeoSyntec, Inc. | Sliplining Can Save You Dollars—Russell Bendel, Joseph Monroe – Schnabel Engineering Associates |
| Consensus Based Urban Habitat and P2 Watershed Master Planning—Michael Barbachem – URS Corporation | | |

10:00 – 11:30 AM Sixth Concurrent Sessions

| SESSION 6A WATER SUPPLY | SESSION 6B LAKE MANAGEMENT | SESSION 6C Dam Safety and Rehabilitation II |
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| Moderator: Don Rice, Newport News Waterworks | Moderator: Ephraim Seidman, Aquatic Services, Inc. | Moderator: Richard Dameron, Virginia Department of Emergency Management |
| Managing Safe Drinking Water from the Source to the Consumer—Linda Warren, Ronald Booth – CH2M Hill | Aquatic Vegetation Identification—Laurie Fox – Virginia Tech, Hampton Roads Agricultural Research & Extension Center | Rehabilitation of Marrowbone Dam – RCC Armoring for 13 Feet of Overtopping—Tillman Marshall, Eric Ditchey, Thomas Fitzgerald – Schnabel Engineering Associates |
| Drought Contingency Planning for Water Supplies—Pamela Kenel – Black and Veatch Corp.; Henry Waldroup – City of Concord, NC; Allen Todd – City of Manassas, VA | Registration Testing for Aquatic Herbicides “What Does It Tell You” —Alan “Bo” Burns – SePRO Corporation | Potomac #2 Dam Spillway Improvements—Andrew Gould, Kelly Ramsey – TIMMONS, Environmental Services |
| Regional Flow | Managing the Physical Components of Lakes and | |

Management for the Falls
of the James River in
Richmond, Virginia—
Federico Maisch, Ronald
Bizzarri, Kenneth Eyre –
Greeley and Hansen, LLC;
Kenneth Chandler, Gary
DuVal – City of Richmond

Watershed Protection for
Drinking Water Supplies:
A Regional Tool—Shonia
Holloway, Scott Emry –
Hampton Roads Planning
District Commission; Philip
Hecht, Linda Warren –
CH2M Hill

Ponds —Scott Cahill –
Watershed Services

Critters, Etc.—Ephraim
Seidman – Aquatic
Services, Inc.

Extreme Virginia Floods,
Spillway Expansion and
Dam Safety—John
Harrison – Schnabel
Engineering Associates

Controlling Erosion on
Reservoirs Slopes – The
Soil-Cement Solution—
Randall Bass – Portland
Cement Association

Noon – 1:30 PM Luncheon (Grand Ballroom)
Dam Safety Awards Presentations and Keynote Address

Tuesday Afternoon, March 12, 2002

1:30 – 3:30 PM Virginia Floodplain Management Association Annual Business Meeting