



**2006 Delmarva
Wetlands Conference**

INTEGRATING WETLAND RESTORATION AND PROTECTION ONTO THE LANDSCAPE



October 11-12, 2006

Sheraton Dover Hotel
1570 North DuPont Highway
Dover DE 19901

October 11th



8:00	Registration (Lobby)	
8:30 – 8:45	<i>Welcome –John A. Hughes, Secretary, DNREC</i>	
8:45 – 9:30	<i>Wetland assessment, conservation and restoration – how far have we come in the last couple of decades? Dr. Dennis Whigham, Smithsonian Environmental Research Center</i>	
9:30 – 9:40	Break	
	Session I : Wetland program planning and implementation	Session II : Wetland restoration, monitoring, and assessment
9:40	Wetlands Protection – How Did We Get Into This Quagmire? <i>William Moyer Duffield Associates</i>	Forested Wetlands Key for Migratory Bird Stopover Habitat on the Delmarva Peninsula. <i>Gregory Breese U.S. Fish and Wildlife Service</i>
10:00	Implementing data into Virginia’s tidal wetland regulatory decision making. <i>Dave O’Brien Virginia Institute of Marine Sciences</i>	Restoring the Wetlands of Blackwater National Wildlife Refuge. <i>Dixie Birch and Rebekah Packett U.S. Fish and Wildlife Service</i>
10:20	Using data from Delaware’s Wetland Monitoring and Assessment Program to Prioritize Restoration and Protection on the Watershed Level. <i>Amy Jacobs Delaware Department of Natural Resources and Environmental Control</i>	The Russell W. Peterson Urban Wildlife Refuge and Other Christina River Wetland Restoration Initiatives. <i>Robert Meadows Delaware Department of Natural Resources and Environmental Control</i>
10:40-11:00	Refreshment Break	

11:00	<p>The Role of National Estuary Programs in Developing and Promoting the Collaborative Implementation of Wetland Restoration and Protection Strategies. <i>Chris Bason, Roman Jesien</i> <i>Center for the Inland Bays</i></p>	<p>The effects of long piers on birds using marsh habitat in Worcester County, MD <i>Alison Banning, Jacob Bowman, and Bruce Vasilas</i> <i>University of Delaware</i></p>
11:20	<p>Development of a Wetland Restoration Targeting Strategy for the Corsica River Watershed. <i>Mitch Keiler and David Bleil</i> <i>Maryland Department of Natural Resources</i></p>	<p>Jackson Lane Wetland Restoration Project: Techniques, tricks, and lessons learned, from concept plan to on the ground action. <i>Rich Mason</i> <i>U.S. Fish and Wildlife Service</i></p>
11:40	<p>Meeting wetland restoration objectives through efficiency and effectiveness: DU Delmarva Program. <i>Jonas Davis</i> <i>Ducks Unlimited</i></p>	<p>Hydrological dynamics of a Delmarva bay (coastal plain pond) on the central Delmarva Peninsula over 3 years: evidence for ground and surface water connections. <i>Doug Sampson and Claudia Brown</i> <i>The Nature Conservancy and Biohabitats</i></p>
12:00-1:00	Lunch	
1:00	<p>Linking Highway Wetland Planning and Mitigation to Maryland's Green Infrastructure Assessment. <i>Christine Conn</i> <i>Maryland Department of Natural Resources</i></p>	<p>Changes in the aquatic macroinvertebrate community during the two years following wetland restoration and creation at a Maryland farm. <i>William Lamp</i> <i>University of Maryland</i></p>
1:20	<p>Volunteers Working for Wetlands: an overview of Delaware's effort to involve wetland adopters in monitoring the resource. <i>Gary Kreamer, Marlene Mervine, Anthony Jackson</i> <i>Delaware Department of Natural Resources and Environmental Control</i></p>	<p>Evaluating the Effects of Amendments and Landscape Position on the Biotic Community of Constructed Wetlands. <i>Amy J. Alsfeld, Jacob L. Bowman, and Amy Jacobs</i> <i>University of Delaware</i></p>
1:40	<p>Small community actions provide beneficial impacts on wetland resources: City of Milford Porcelain-berry Control Program <i>Flavia Rutkowsky</i> <i>U.S. Fish and Wildlife Service</i></p>	<p>Wetland Restoration Site Preparation and Site Management: Balancing project costs and habitat benefits to waterfowl. <i>Kirk Mantay</i> <i>Ducks Unlimited</i></p>

Facilitated Breakout Sessions			
2:10 – 3:10	Education/Outreach Programs and Efforts	Monitoring and Assessment/ Research Needs	Restoration and Protection Implementation and Prioritization
3:10 – 3:25	Refreshment Break		
3:25-3:45	Breakout Session Summaries		
3:45 – 4:30	<p><i>The NC Ecosystem Enhancement Program – An Innovative Approach to achieving Natural Resource Restoration and Protection Goals.</i></p> <p>Suzanne H. Klimek, Director of Operations, Ecosystem Enhancement Program, N.C. Department of Environment and Natural Resources</p>		

October 12th Field Trips

Register early because space is limited and will be on a first come first served basis

Trip 1: NORTHERN DELAWARE WETLAND RESTORATION TOUR

A field trip to northern New Castle County will feature completed stream (Pike Creek at Three Little Bakers Golf Course) and wetland (Christ the Teacher Catholic School) restoration projects and will highlight examples of the various construction techniques used for each project. The Christ the Teacher site will also demonstrate how a wetland complex was incorporated into an existing stormwater basin which is now filtering surface water runoff from the school building, roads, parking lots and athletic fields before entering the stormwater basin and eventually draining to the Chesapeake Bay. Pre- and post-restoration photos will be made available to all field trip participants. The tour will also feature projects that are currently in the planning stages (Pike Creek at the Independence School and University of Delaware Newark Farm Complex). When these projects are completed they will have both stream and wetland components.

Trip 2: CENTRAL DELMARVA WETLAND RESTORATION TOUR (limited to 20 people)

Known as the Jackson Lane site, field trip participants will see results 3 years after 200 acres of former farm fields were restored to seasonal wetlands and forested upland in northern Caroline County, MD. Techniques used in this partnership project between The Nature Conservancy, the US Fish & Wildlife Service, the MD Dept of the Environment and the USDA Natural Resource Conservation Service included building earthen berms, creating microtopography, adding coarse woody debris and organic matter, and planting both wetland and upland woody species. A large ditched and degraded Delmarva bay (coastal plain pond) is being restored as part of the project, and we'll visit an intact Delmarva bay in the adjacent forested preserve for comparison to the restored wetlands. Early results of several research and monitoring projects conducted to assess the success of the wetlands restoration site will be provided, as well as the results of an ongoing groundwater hydrology study around the natural pond.

TRIP 3: DELMARVA NATURAL WETLAND DIVERSITY (limited to 20 people)

The Delmarva Peninsula has a large diversity of wetland types including coastal plain ponds, large forested wetlands, Atlantic white cedar swamps, interdunal swales, and headwater riparian complexes. These wetlands are home to many rare and unique plants and animals and also perform a variety of functions that are important to sustaining our natural ecosystems and water quality. Field crew participants will visit a variety of wetlands with the state botanist and a wetland scientist to explore these systems and discuss how we are working towards better protection.

TRIP 4: RESTORED CHRISTINA RIVERFRONT (Russell W. Peterson Urban Wildlife Refuge) IN WILMINGTON (limited to 20 people)

The tour will start with a brief visit to the revitalized Christina River Front in Wilmington to establish the landscape in which the Refuge is framed. The tour will proceed to the refuge proper to view the various restoration elements implemented during the restoration. Stops will be made at former spoil areas that were excavated to restore tidal hydrology; pools and channels created to enhance habitats available to resident and migratory fish and bird species; mile-a-minute weed and purple loosestrife test plots where beneficial beetles have been released as control measures; forested test area where invasive plant removal has been implemented; and view areas where introduced *Phragmites* has been controlled and narrow-leaf cattail is currently being removed. Participants are encouraged to wear water proof boots (not required).

Lodging

The Sheraton Dover Hotel is located on Route 13 in the city of Dover. Several rooms have been reserved at the hotel for conference guests, mention that you are with the Delmarva Wetlands Conference when registering. The price of rooms will be \$109 per night and will be held until September 19th. After September 19th rates will increase.

Sheraton Dover Hotel

1570 North Dupont Highway

Dover, DE 19901

(302) 678-8500

From East

Follow signs to Route 13 and Dover. The hotel is located on Route 13, 1/2 mile north of the Dover Mall.

From North

Take Route 1 South (Tollroad). Take Exit 104 and turn left at the light onto Route 13 South. Continue for approximately 1 mile. Turn right immediately past Walmart into the hotel parking lot.

From West

Take Route 301 to 302. Take Route 452 to Route 8 and take Route 8 to Route 13. Turn left on Route 13 and continue approximately 3 miles to the hotel.

From South

Take Route 1 North (Toll road). Take Exit 104 and turn left at the light onto Route 13 (DuPont Highway). Continue for approximately 1 mile. Turn right immediately past Walmart into the hotel parking lot.