

United States  
Environmental Protection  
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Technology Transfer



# **Ecosystem Restoration: A National Symposium to Bring Together Ecosystem Restoration Practitioners and Researchers**

July 29-31, 1998  
Baltimore, Maryland

United States  
Environmental Protection Agency  
Center for Environmental Research Information  
Cincinnati, OH 45268

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## Symposium Registration Form

There is no registration fee for this Symposium.

*Please print or attach a business card.*

First Name \_\_\_\_\_

Last Name \_\_\_\_\_

Title \_\_\_\_\_

Organization \_\_\_\_\_

Address (include mail code, if applicable) \_\_\_\_\_

City/State/Zip Code \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

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### Affiliation:

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### Symposium Registration Options

To register electronically log on to:  
<http://www.epa.gov/ttnrmrl/ceri.htm>  
or

Fax this registration form to Lisa Enderle, SAIC,  
703-698-6101

### Hotel Information

Please make hotel reservations by July 10.  
(Rooms may not be available after this date.)

Baltimore Marriott Inner Harbor  
110 South Eutaw Street  
Baltimore, Maryland 21201

Rate: \$139 per night (single or double) + tax  
For reservations call: (410) 962-0202

### Field Trip Information

- ☐ I am interested in attending the Little Gunpowder River Watershed Field Trip, Thursday, July 30.
- ☐ I am interested in attending the Sawmill Creek Watershed Field Trip, Friday, July 31.  
*Seats on the bus are limited and will be assigned on a first come first serve basis onsite.*

**For more information regarding the Symposium please call (800) 783-3870.**

### Symposium Goals

There has been an increased interest in the issues surrounding ecosystem restoration. Many and varied projects involving aspects of ecosystem restoration are underway or have been recently completed across the nation.

The EPA's National Risk Management Research Laboratory, in cooperation with the Society for Ecological Restoration, wishes to bring together ecosystem restoration researchers and practitioners for a mutually beneficial symposium. The symposium goals are to share information and experiences about recent and ongoing projects, to define the current scope of ecosystem restoration research, and to form partnerships for future restoration activities. Participants will hear technical presentations on the current state-of-the-art in both research and real-world applications

Some presentations will discuss strategic planning for ecological restoration and should be of interest to resource managers and decision-makers.

### Who Should Attend

Ecosystem restoration researchers and practitioners; federal, state, and local decision makers and others interested in ecosystem restoration.

### Preliminary Agenda

#### Day 1 - July 29 - 8:30AM

##### Session I - Plenary

- 8:30AM Defining EPA's Role in Future Research, Lee Mulkey, US EPA, NRMRL
- 8:50AM Mid-Atlantic Integrated Assessment (MAIA), Stan Laskowski, US EPA, Region III
- 9:10AM Linkages Between Ecological Restoration & Ecological Risk Assessment, Glenn Suter, US EPA, NCEA
- 9:30AM Ecosystem Restoration: Developing Paradigms & Definitions, Eric Jorgensen, US EPA, NRMRL
- 9:50AM *Break*
- 10:10AM National Ecosystem Restoration Programs, Society for Ecological Restoration
- 10:30AM Sustaining the Health of the Salton Sea Ecosystem: A Challenge for Restoration Ecology, Milt Friend, USGS

##### Session II - Management Issues/Case Studies

- 10:50AM Strategy for Watershed Rehabilitation: Arkansas Remediation Example, Kent Thornton, FTN Associates
- 11:10AM Politics of Ecosystem Restoration - Great Lakes Basin, Jeff Farrah, Wayne State University
- 11:30AM Chesapeake Bay Restoration Framework: An Experiment Revisited, Steve Funderburke, US FWS
- 11:50AM *Lunch*

- 1:20PM Riparian Zone Restoration in the Cuyahoga River Area, Kelvin Rogers, Cuyahoga River Remedial Action Plan
- 1:40PM Loads, Concentrations, & Critters: Challenges for Ecosystem Restoration, R. Peter Richards, Heidelberg College
- 2:00PM Geographic Information System (GIS) for Community-Based Environmental Protection (CBEP), Sudhir Kshirsagar, GQC
- 2:20PM *Questions & Answers*
- 2:40PM *Break*

##### Session III - Mid Atlantic Integrated Assessment (MAIA)

- 3:00PM Panel Discussion- Ecosystem Restoration Management & Technical Issues, Tom DeMoss, US EPA, Region III
- 4:00PM *Questions & Answers*

#### Day 2 - July 30 - 8:30AM

##### Session IV - Wetlands & Shallow Waters

- 8:30AM Everglades Ecosystem Assessment: Monitoring for Adaptive Mgmt., Jerry Stober, US EPA, Region IV
- 8:50AM Restoration of N. Florida Everglades, Stephen Smith, S. Florida Water Mgmt. District
- 9:10AM Creation & Restoration of Salt Marsh & Colonial Waterbird Nesting Habitat in MD's Coastal Bays, Christopher Spaur, US ACE
- 9:30AM Hole-In-the-Donut Wetlands Restoration & Migration, Everglades Nat. Park, Michael Norland, S. Florida Natural Resources Center
- 9:50AM Wetland Creation through Mining in Wyoming, Mark McKinstry, University of Wyoming
- 10:10AM *Break*
- 10:30AM Landscape Ecology Analysis of Forested Wetland Restoration Sites, Tensas River Basin, Daniel Heggem, US EPA, NERL
- 10:50AM Habitat Restoration Diversity & Partnerships-US FWS PF&W Program, Albert Rizzo, US FWS
- 11:10AM Ecosystem Restoration of Disney Wilderness Preserve, Michael Duever, DWP/TNC
- 11:30AM Restoration of Submerged Aquatic Vegetation, Representative of the Chesapeake Bay Program
- 11:50AM *Lunch*
- 1:20PM Riparian Forest Restoration from the Urban, Agricultural, & Forested Watershed Perspectives, Rob Northrop, Dan Hedderick, Bernadette Turner & Wayne Merkel, MD DNR, Forest Service
- 1:50PM Field Trip to Little Gunpowder Watershed

*This field trip will visit a cattle operation and will discuss how and why MD DNR identified this water system, how they developed a local partnership with the community, and how they decided to implement restoration activities.*

**(PLEASE NOTE: This field trip is concurrent with Session V)**

#### **Session V- Rivers, Streams, & Riparian Areas**

- 1:50PM Geohydrologic Foundations for Ecosystem Restoration, Mohamed Hantush, US EPA
- 2:10PM How Much Water Does a River Need?, Brian Richter, The Nature Conservancy
- 2:30PM Southwestern Riparian Sustainability & Restoration in a Man-made Ecosystem, Nita Tallent Halsell, US EPA, NERL
- 2:50PM *Break*
- 3:10PM Preliminary Downstream Hydraulic Geometry Relationships for Hydrophysiographic Provinces in MD, Tamara McCandless, US FWS
- 3:30PM US EPA Large River Ecosystem Criteria Initiative, Susan Davies, US EPA, OW
- 3:50PM Anadromous Fish Restoration, Representative of Chesapeake Bay Program
- 4:10PM *Questions & Answers.*

#### **Day 3 - July 31 - 8:30AM**

#### **Session VI - Terrestrial/Uplands**

- 8:30AM Forest Fragmentation in the Chesapeake Bay Watershed, Rick Cooksey, USDA
- 8:50AM Maintenance & Restoration of Northern Spotted Owl Habitat, Pacific NW, James Thrailkill, Oregon Coop, Wildlife Research Unit
- 9:10AM NJ's Ecosystem Approach to the Conservation of Biodiversity, Larry Niles, NJ Fish, Game & Wildlife
- 9:30AM *Break*
- 9:50AM Managing Restoration Projects for Functional & Structural Objectives, John Heckman, Roy F. Weston
- 10:10AM Disease, Insects, & "Exotic" Ecosystems: Implications for Restoration Goals, William Ostrosina, USDA
- 10:30AM 20 yr. Woody Vegetation Changes in NE Illinois Upland Forest Ecosystems, Marlin Bowles, Morton Arboretum
- 10:50AM Panel Discussion-Sawmill Creek Watershed Restoration Project, Larry Lubbers, MD DNR
- 11:20AM *Questions & Answers*
- 11:40AM *Lunch*
- 12:40PM Field Trip to Sawmill Creek Watershed

*This trip will examine an integrated set of Best Management Practices designed to address the cumulative impacts of urban and industrial land use on water quality, stream flow, and habitat in the riparian corridor. The tour will include: deicer management facilities, an automated water chemistry monitoring station, stormwater management retrofits and wetlands creations, bioengineered stream channel stabilization, and several types of fish passage projects.*