



Center for Watershed Protection: Watershed Workshops

The Center for Watershed Protection is dedicated to training watershed managers in the skills to protect, manage and restore our streams, lakes and rivers. Our workshops provide communities with specific guidance on the types and combinations of watershed protection and restoration tools to apply, leading to more effective local watershed protection and restoration efforts.

The Center conducts several workshops a month on various watershed planning, stormwater management, and better site design topics. The Center's staff of experienced, multi-disciplinary professionals has gained a national reputation for their work in watershed research, the development of new watershed practices, and real-world application of watershed strategies at the local level. Our watershed curricula are continuously updated with the latest advances in watershed research and implementation.

Workshop Curricula

The Center offers one, two, and three-day workshops covering a variety of topics. You may select from a menu of over 40 training modules to develop the agenda most appropriate to meet your training needs. Our typical one-day workshop includes four to five modules, an interactive exercise, and time for discussion. This may be adapted to include a field trip, panel discussion, or local guest speakers. Additionally, the Center can work with you to develop new curriculum or interactive workshop exercises to address any specific, local challenges to watershed implementation. Below are a few of our sample agendas.

Watershed Planning Workshop

- The Impacts of Urbanization
- The Eight Tools of Watershed Protection
- Rapid Watershed Planning
- Develop a Plan for a Local Sensitive Subwatershed (an interactive exercise)
- Pick two more modules, or organize a panel discussion on local watershed planning activities

Stormwater Management and Design Workshop

- A Review of Stormwater Treatment Practices (STPs)
- The Sizing of STPs
- Choosing the Right STP
- Crafting a Local Stormwater Ordinance
- Select and Size STPs for a Local Development Site (an interactive exercise)
- Pick one more module, or organize a stormwater retrofitting field trip

Watershed Restoration Workshop

- Understanding Urban Watersheds
- An Approach to Small Urban Watershed Restoration
- Introduction to Smart Watershed Programs
- Stormwater Retrofitting: The Art of Opportunity
- Pick two more modules, or organize an inappropriate discharges search in a local urban stream

Better Site Design Workshop

- Introduction to Better Site Design
- Benefits of Better Site Design
- Codes and Ordinance Worksheet
- Redesign a Site in Your Community (an interactive exercise)
- Pick two more modules, or organize a field trip to a local open space subdivision

Support Materials

Once the workshop is over, attendees often need additional information and support. The Center provides an array of supporting materials that complement our workshop modules, including our popular technical publications, tailored workshop notebooks and multi-media CD-ROMs. We will work with you to select the most appropriate supporting materials to provide at your workshop.

Terms of Services

The Center usually requires a six-month lead-time when planning a workshop. Cost for Center workshops vary depending upon the length of the workshop, the degree of customization required, and the course materials provided. Our base workshop fees are \$7,500 to \$10,000 for one-day events, \$10,000 to \$12,500 for two-day events, and \$12,500 to \$16,000 for three-day events. Costs include the preparation of basic course materials and two to three speakers each day. Reproduction of materials and travel are typically extra.

Additional costs may be accrued for the development of new curriculum, interactive workshop exercises specific to the local area, or specialized course supporting materials; the design of workshop brochures and marketing materials; and any further workshop specialization, such as field trips. Estimates for these services are provided on a case-by-case basis.

For More Information

Please contact Jennifer Zielinski at # 410-461-8323 or email jaz@cwpc.org to discuss how the Center can meet the watershed training needs of your community.

Menu of Training Modules Offered by the Center for Watershed Protection

Watershed and Land Use Planning

- Why Watersheds?
- The Impacts of Urbanization
- The Eight Tools of Watershed Protection
- Rapid Watershed Planning
- Conducting a Watershed Vulnerability Analysis
- Watershed Protection for Lakes and Reservoirs
- Tools to Protect Coastal Watersheds
- Knowing Your Way Around: A Presentation on Watershed Mapping, Subwatershed Delineation, and Impervious Cover Calculation
- A Watershed Planning Roundtable Exercise
- Unified Stream Assessment Techniques

Aquatic Buffers

- Designing Effective Urban Stream Buffers

Better Site Design

- Introduction to Better Site Design
- Benefits of Better Site Design
- Codes and Ordinance Worksheet
- What is a Consensus Process? Lessons Learned from the Local Roundtable Process
- Starting a Local Roundtable
- An Interactive Site Planning Roundtable Exercise

Erosion and Sediment Control

- Keeping Soil in its Place: A Presentation on Erosion and Sediment Control

Stormwater Management

- A Review of Stormwater Treatment Practices
- The Sizing of Stormwater Treatment Practices
- Choosing the Right Stormwater Treatment Practice
- Design of Stormwater Ponds and Wetlands
- Design of Stormwater Filtering Systems
- Design of Open Channels and Filter Strips
- Design of Infiltration Practices
- Stormwater Pond Design Example
- Stormwater Design in Cold Climates
- Stormwater Strategies to Control Microbes
- Crafting a Local Stormwater Ordinance
- Building a Stormwater Maintenance Program
- An Interactive Stormwater Design Exercise

Watershed Stewardship

- Retrofitting Your Own Backyard
- Watershed Education: Increasing Public Awareness to Improve Stormwater Management

Watershed Restoration

- Understanding Urban Watersheds
- An Approach to Small Urban Watershed Restoration
- Introduction to Smart Watersheds
- Introduction to Smart Sites
- Urban Watershed Restoration Mapping Requirements
- Watershed Treatment Model
- Stormwater Retrofitting: The Art of Opportunity
- Urban Stream Restoration Practices: An Initial Assessment
- Detecting and Correcting Inappropriate Discharges
- Rapid Urban Watershed Assessment