

The Watershed Academy Presents....

Eight Tools of Watershed Protection in Developing Areas

A Webcast Learning Session

Wednesday, June 22, 2005 Two-hour audio Web broadcast

Eastern: 1:00 pm – 3:00 pm Central: 12:00 pm – 2:00 pm Mountain: 11:00 am – 1:00 pm Pacific: 10:00 a.m. – 12:00 pm

Session Description:

The Eight Tools of Watershed Protection: Many communities in the U.S. are experiencing rapid growth and development, and a gradual decline in the quality of their aquatic resources. This Webcast will highlight effective tools communities can apply to minimize the impact of land development on their streams, lakes and estuaries. It will begin by showing how impervious cover (IC) is used as a key index of watershed development. Next, current research will be reviewed on the strong relationship between IC and more than twenty indicators on aquatic quality. This emerging research provides the technical foundation for the Impervious Cover Model (ICM) which will be discussed at length. The remainder of the Webcast will review the eight tools localities can apply to protect their subwatersheds— watershed planning, natural area conservation, buffers, better site design, erosion and sediment control, stormwater management practices, non-stormwater discharges and watershed stewardship. Emphasis is placed on the key watershed planning implications associated with the ICM model, and how the tools can be implemented at the local government level. The Webcast will conclude with the famous Center for Watershed Protection quiz on watershed stewardship behaviors. Frequent opportunities will be provided throughout the Webcast to discuss the technical and policy implications of the ICM and the eight-tool approach.



Instructor:

Thomas R. Schueler, Director of Watershed Research and Practice
Center for Watershed Protection, Ellicott City, Maryland

Tom Schueler directs the Center's watershed research and practice programs, and has a keen interest in the science and management of urban streams and lakes. He has worked for more than twenty years on developing innovative techniques to protect and restore urban streams and lakes. Mr. Schueler has authored several widely used references, including *The Small Watershed Restoration Manual Series*, *The Practice of Watershed Protection*, *Rapid Watershed Planning Handbook*, and the *Impacts of Impervious Cover on Aquatic Systems*. He is working on a wide range of research projects and watershed applications to improve the tools used for watershed protection and restoration. Prior to founding the Center, Mr. Schueler worked for ten years at the Metropolitan Washington Council of Governments, where he led the Anacostia Watershed Restoration Team—one of first efforts to comprehensively restore an urban watershed.

The Watershed Academy

The Watershed Academy is a focal point in EPA's Office of Water for providing training and information on implementing watershed approaches. The Academy sponsors live classroom training, online distance learning modules through the Watershed Academy Web at www.epa.gov/watertrain/, and most recently, Webcasts on various watershed planning and restoration topics. EPA plans to offer additional Webcasts in 2005. For more information, visit www.epa.gov/owow/watershed/wacademy/.

Registration

You must register in advance to participate in the Webcast. To register, visit <http://clu-in.org/conf/tio/watershedtools>. The Webcast will be a Web-based slide presentation with a companion audio portion. There are two options for accessing the audio portion of the Webcast: by phone OR streaming audio broadcast (not both). By selecting one registration option at the registration page, you will be registering to view the Web-based slides and the audio method of your choice. If you choose the streaming audio option, you will not be able to participate by telephone. However, you will be able to submit questions online for the presenters to answer during the Webcast. Closed-captioning is available. Upon registration you will receive complete participation instructions. **Please note that there are a limited number of toll-free phone lines available, so register early to guarantee your spot!** If you register after that limit is reached, you will be added to a waiting list.

Questions?

- ◆ If you have questions about the technical content of the Webcast, contact Melissa DeSantis at (703) 385-6000; melissa.desantis@tetratex-ffx.com. For logistical questions, contact Pete Riddle at (513) 321-3035; pete.riddle@emsus.com.