



In the '80's State regulations tried to address the problem by requiring stormwater ponds to capture runoff from large storms, not realizing that 90% are small storms. A.A. County required over 1100 stormwater ponds like this one. Their large outlet pipes let overheated water, nitrogen, phosphorous and pollutants run straight into waterways.



What we are beginning to do is restorations like these which recreate natural systems to clean, cool, and infiltrate the rain. School children help plant and monitor their success.



Each such restoration costs between \$200,000 and \$500,000.

**WE CAN EACH HELP** solve the problems caused by Urban Stormwater Runoff. Call your Council Members and ask them to introduce legislation to establish a **STORMWATER UTILITY**, a dedicated **ENTERPRISE Fund** similar to those for Sewer, Water, and Trash.

**Such a fund would charge a \$5/month fee** for impervious surface, per 2400 s.f. unit (a small house and driveway) and would collect \$20,000,000 a year to reduce flooding and restore Creeks and Rivers County-wide. The Council would hear public restoration requests, establish priorities and receive annual reports on results.

**Over 400 such Stormwater Utilities** are up and running and soon there will be 2,000 across the country. Maryland Department of Environment has encouraged such Utilities since 1988. Takoma Park has had one for many years. Montgomery County for 2 years. Baltimore City and County are moving in this direction.

A.A. County Council Members: 410-222-1401  
 District 1 – Pamela Beidle 2 – Edward Middlebrooks  
 3 – Ron Dillon, Jr. 4 – Bill Burlison 5 – Cathleen Vitale  
 6 – Barbara Samorajczyk 7 – Edward Reilly



**EARTH IS THE WATER PLANET**  
 Let's Join together to protect our own support system!  
 Lend us your voice  
**YOUR VOTE!**  
[www.beinginplace.org](http://www.beinginplace.org)  
 410.956.1002 [aplace4@verizon.net](mailto:aplace4@verizon.net)

# STORMWATER RUNOFF



*"Water is the driver of Nature"*  
 Leonardo da Vinci

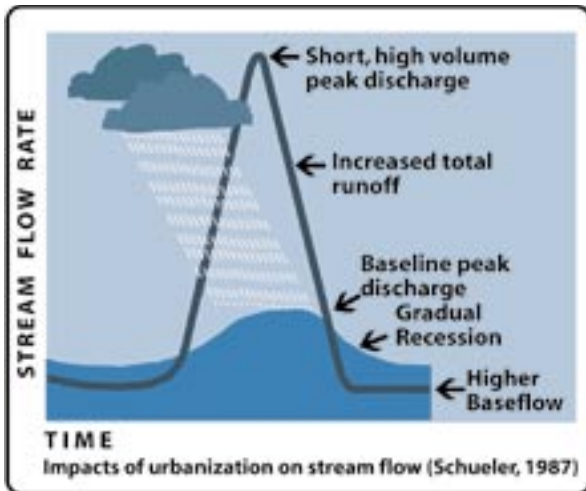
**WHAT CAN WE DO?**  
**STORMWATER...**  
**OUR PROBLEM...**  
**OUR SOLUTION...**

**ANNE ARUNDEL WATERSHED NETWORK**



Dave Harp

When Creeks, Rivers and the Bay ran clear, full of shellfish and finfish the watershed was 95% forested. Leaves, branches, roots and leaf mulch absorbed the rain.



Impervious surfaces shed rain and cause much greater runoff.



Now, we have covered the ground with buildings, parking lots and streets and the rain can't enter the ground.



Rain flows into storm sewers, which empty into Creeks and Rivers through huge pipes carrying as many as 70 potential carcinogens from cars ...



Dave Harp



...fertilizers from lawns and farms...



...eroding Creeks and depositing thousands of tons of sediment into Rivers and the Bay



EPA studies show in one year uncontrolled runoff from streets, roofs, and parking lots washes more than 442,000 tons of sediment, 3 million pounds of phosphorous, 28 million pounds of nitrogen, into Creeks and the Bay. Instead of fishable, swimmable Creeks, we have algae blooms and impaired biological life.



*"We forget that the water cycle and the life cycle are one."*  
Jacques Cousteau