

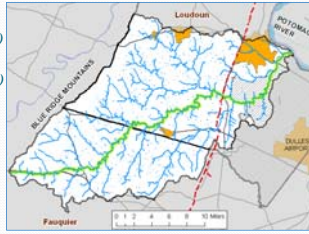
Strategic Watershed Management

Session Chair: David Ward, Loudoun Watershed Watch
Panelists: Gem Bingol, Piedmont Environmental Council
Joe Ivers, PhD, Virginia Waters and Wetlands, Inc.
Tom Turner, John Marshall Soil & Water District

March 24, 2010 Middleburg, VA

A Watershed Approach

- Is hydrologically defined
 - geographically focused
 - includes all stressors (air and water)
- Involves all stakeholders
 - includes public (federal, state, local) and private sector
 - is community based
 - includes a coordinating framework
- Strategically addresses priority water resource goals (e.g. water quality, habitat)
 - integrates multiple programs (regulatory and voluntary)
 - based on sound science
 - aided by strategic watershed plans
 - uses adaptive management



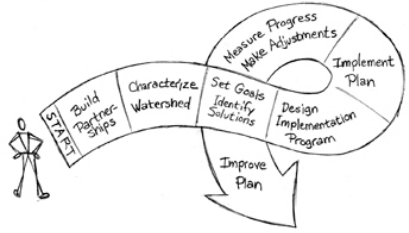
Goose Creek Watershed

<http://www.epa.gov/owow/watershed/approach.html>

EPA's Handbook

Handbook for Developing Watershed Plans to Restore and Protect Our Waters

EPA 841-B-08-002, 2008



http://www.epa.gov/nps/watershed_handbook/

Watershed Planning Process

Evaluate data to determine the state of the watersheds

Identify *issues* that the plan will address

Establish a *vision* for the watershed and goals that improve, enhance and protect watersheds

Develop specific *actions* to achieve the goals

Create a framework and timeframe for *implementation*

From Fairfax County Stormwater Management 2008

Tools of Watershed Protection

Developed by Center for Watershed Protection for US EPA web-based training

- Tool 1. Land Use Planning
- Tool 2. Land Conservation
- Tool 3. Aquatic Buffers
- Tool 4. Better Site Design
- Tool 5. Erosion and Sediment Control
- Tool 6. Stormwater Best Management Practices
- Tool 7. Non-Stormwater Discharges
- Tool 8. Watershed Stewardship Programs

<http://www.epa.gov/watetrain/protection/index.html>