

**Stormwater
Facility
Maintenance
Program**

Contractor Training

March 23, 2015

Contractor Training

- Please be sure you have signed in.

Certificates of Attendance will be generated from the Sign-In List.

- Please Silence Cell Phones.

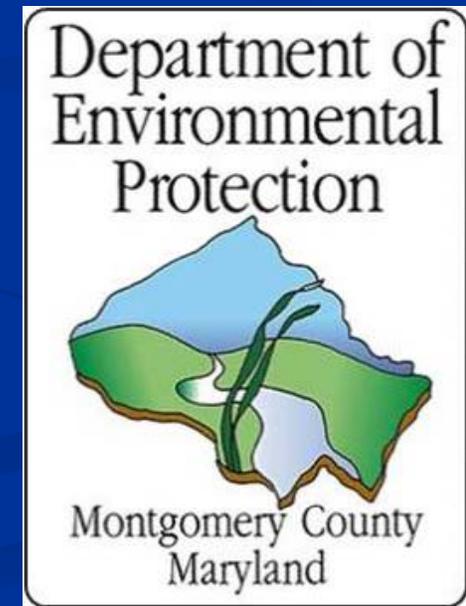
If you need to take a call, please step outside of the room for the courtesy of others.

- Restrooms:

Are located...

Agenda

- Welcome and Introduction
- Mission/Watersheds/MS4 Permit
- Regulations
- Aboveground Maintenance
- Break 9:45
- LID & RainScapes
- Wrap-up/Questions
- Lunch
- Underground Maintenance



Montgomery County
Department of Environmental Protection
Watershed Management Division
Stormwater Management Maintenance Program

Administration:

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Watershed Management Division

PRIVATE FACILITIES INSPECTION STAFF

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Responsible for the inspection and compliance of maintenance requirements for privately maintained facilities.

Private Contractors will interact primarily with these staff members.

Department of Environmental Protection

Mission

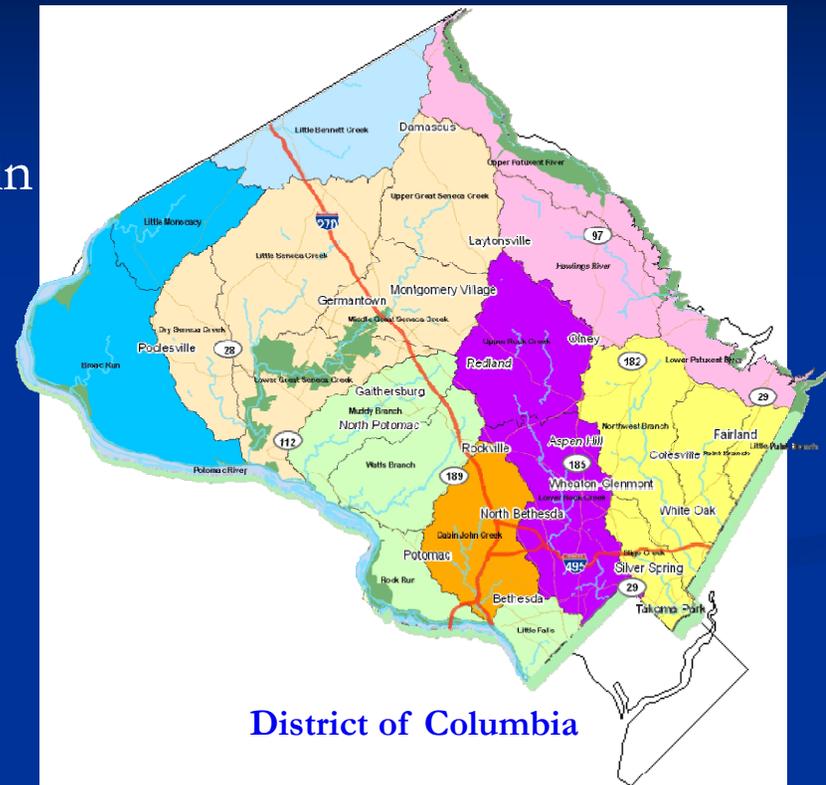
Protect and enhance the quality of life in our community through the conservation, preservation, and restoration of our environment, guided by the principles of science, resource management, sustainability, and stewardship

Provide solid waste management services, including recycling, in an environmentally progressive and economically sound manner.

*Today's Program will focus on **STORMWATER** and maintenance of structures that protect the County's Water Resources.*

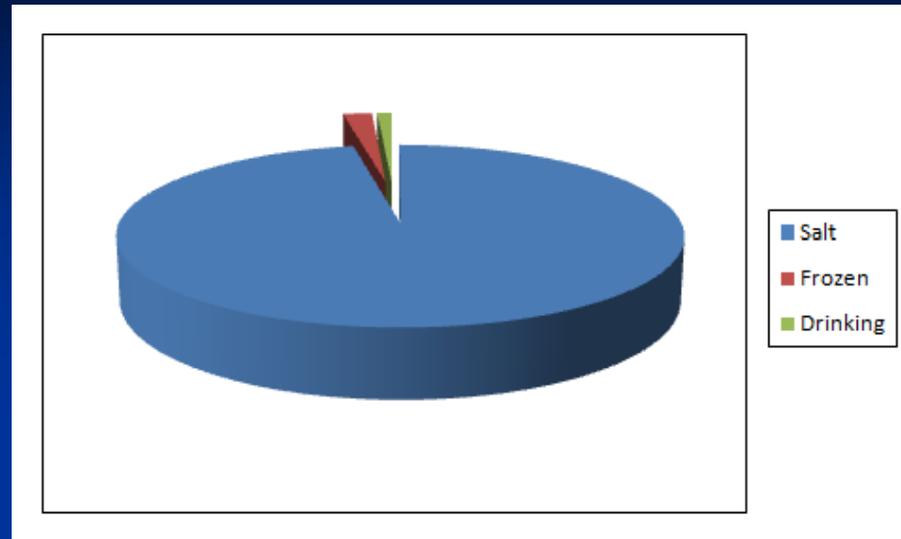
Montgomery County, MD

- 507 sq. miles
- 1,000,000 people
 - ❖ Second only to Baltimore City within Maryland in average people per square mile
 - ❖ 184 languages spoken
- About 12% impervious surface overall
 - ❖ About the size of the District of Columbia
- Over 1,500 miles of streams
- Two major river basins:
 - ❖ Potomac
 - ❖ Patuxent
- Eight local *watersheds*



Impervious: Not allowing water to soak through the ground.

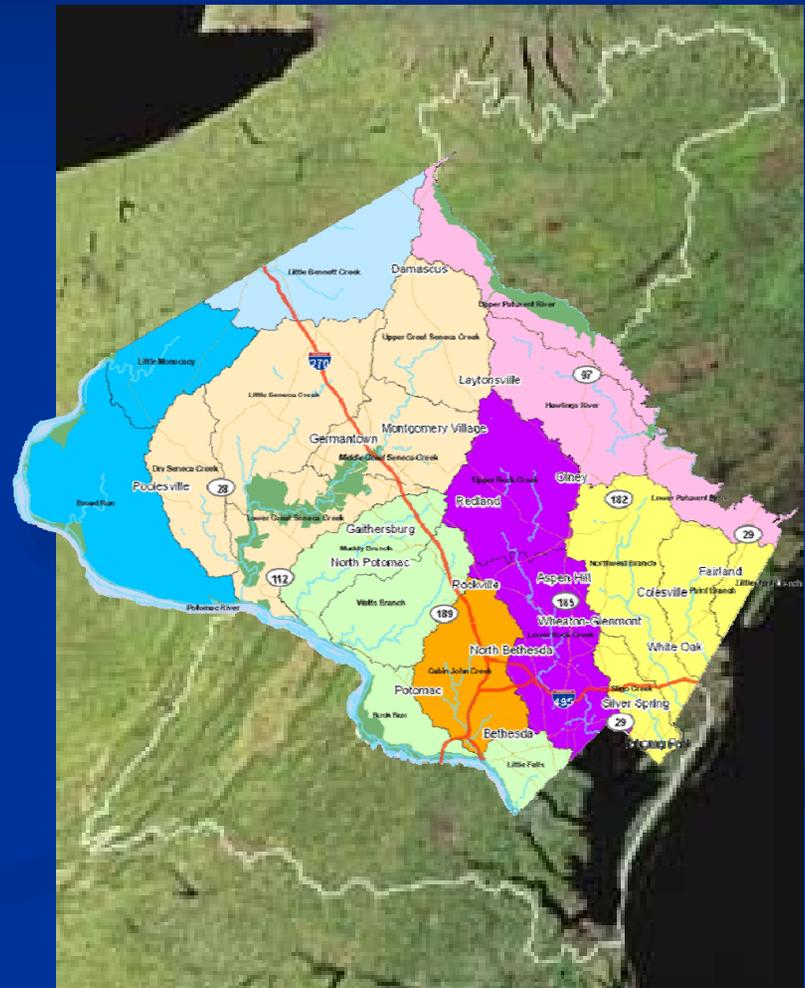
Sources of Water



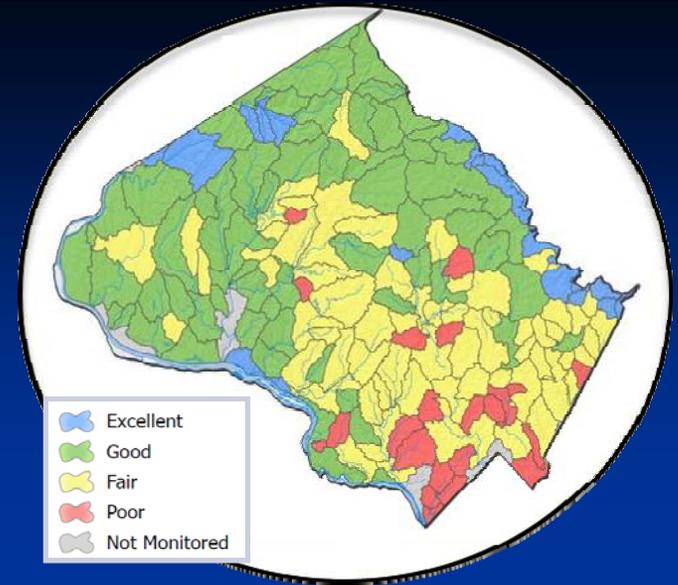
- About 97% is salt water
- About 2% is frozen
- Only 1% is available for drinking water
 - ❖ Across the Country, about 57% comes from surface water sources
 - ❖ In Maryland, 74% is from surface water sources
- Potential for greater impacts from runoff in Maryland

What is a Watershed?

- A *watershed* is an area from which the water above and below ground drains to the same place.
- Different scales of watersheds:
 - ❖ Chesapeake Bay
 - ❖ Eight local watersheds
 - ❖ Neighborhood (to a storm drain)



What is the County doing to protect our watersheds?



- **Must meet regulatory requirements**
 - ❖ Federal Clean Water Act permit program
 - ❖ MS4 = Municipal Separate Storm Sewer System
- **Applies to all large and medium Maryland jurisdictions**
- **County Programs**
 - ❖ Restore our streams and watersheds
 - ❖ Add runoff management
 - ❖ Meet water quality protection goals (TMDLs)
 - ❖ Reduce pollutants getting into our streams
 - ❖ Educate and engage all stakeholders
 - ❖ Individual actions make a difference
 - ❖ Focus on watersheds showing greatest impacts

MS4 permit, what does it mean?

- **Montgomery County is responsible for:**
 - ❖ What goes into our storm drain pipes
 - ❖ What comes out of them
 - ❖ What flows into the streams
- **Requires additional stormwater management for 20 percent of impervious surfaces (4,292 acres = 6.7 square miles).**

That's equivalent to 3,307 football fields!



Watershed Management Division

- **Stormwater Permit Coordination**
 - ❖ Reporting, Monitoring, and Watershed Outreach
- **Stormwater Management Facilities**
 - ❖ Inspections and Maintenance
- **Watershed Restoration**
 - ❖ Stormwater Retrofits and Stream Restoration
 - ❖ RainScapes
- **Construction Management**
 - ❖ Oversees project construction
 - ❖ Administers contracts and procurement



Resources

For information such as:

- General information
- Stormwater Maintenance Info
- Local watershed groups
- Regional and national groups

www.montgomerycountymd.gov/DEP

- My Green Montgomery:

<http://montgomerycountymd.mygreenmontgomery.org/>