

PROTECTING OUR WATERSHED

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- Chesapeake Bay Watershed
- Phase II Small Municipal Separate Storm Sewer System (MS4) Permit
- Stormwater
- Teaching and Learning



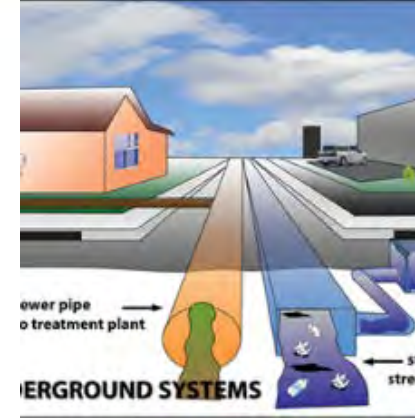
- Largest Estuary
- 64,000 Square Miles
- Bay Facts
 - ✓ Holds 18 Trillion Gallons of Water
 - ✓ 51 Billion Gallons of Water Enter Daily
 - ✓ Produces 500 Million Pounds of Seafood Annually



- MS4: Municipal Separate Storm Sewer System
- Allowable Discharges to Surface Water
- Federal Clean Water Act
- Virginia Stormwater Management Act
- Arlington County Code 26-5 Storm Sewer System



- Precipitation That Flows Across Land or Conveyances To Waterways
- Challenges – Impervious Surfaces
 - ✓ Impacts on Water Quality
 - ✓ Quantity of Water
 - ✓ Erosion and Pollutants



- Nitrogen
- Phosphorus
- Sediment



- Keep Water Onsite And/Or Reduce Imperviousness
- Litter Prevention
- Native Vegetation for Preventing Soil Erosion



Unauthorized Discharges

- Bacteria
- Chemicals
- Detergents
- Metals
- Nutrients
- Pesticides
- Petroleum
- Sediment
- Trash



What Color Is Our Water



What Color Is Our Water



Wash Water Gone Wild



Effects of Pollution

- Algae Blooms
- Fish Kills
- [Polluted Waterways](#)





***“When the well is dry,
we know the worth of
water.”***

Benjamin Franklin
