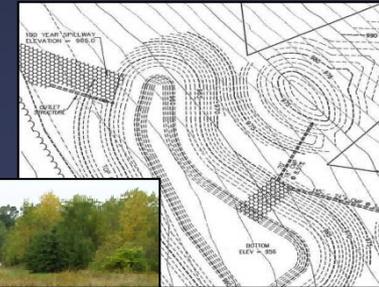


Storm Water BMP Maintenance Workshop

March 9, 2010— Pewaukee WI

*“Once they’re in...it’s just a
matter of time.”*



Sponsored by:

- Waukesha County Department of Parks & Land Use
- MS4 Community Partners in Waukesha County
- WI Department of Natural Resources

Program Overview



1. BMP Maintenance Overview and Documentation

- **Break 9:30 – 9:45**

2. BMP Inspection & Reporting

3. BMP Maintenance Case Studies

- **Lunch 12:00 – 12:45**

4. BMP Maintenance Enforcement

5. Permits Involved in BMP Maintenance

- **Break 2:45 – 3:00**

6. BMP Maintenance Round Table

- **Adjourn 3:30**



Workshop Format



- Fast paced
- Local case studies
- Lessons learned
- Time for questions

New topic / we are all learning





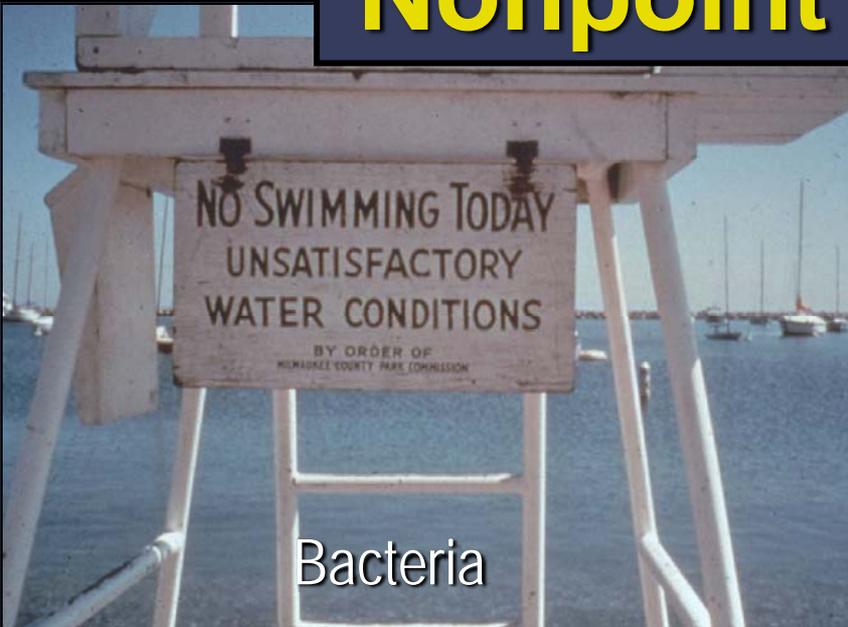
Toxins



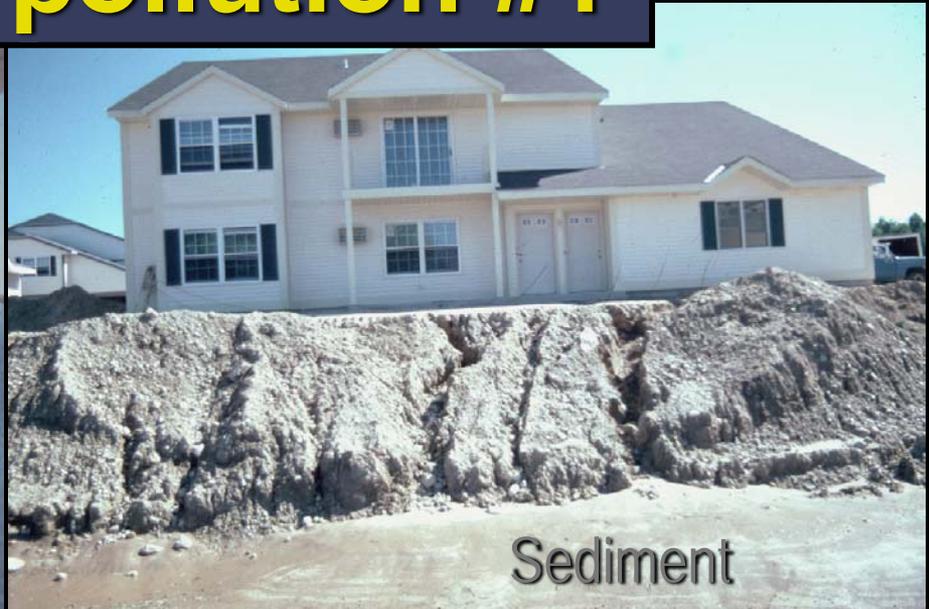
Organics



Nonpoint pollution #1



Bacteria



Sediment

Impervious Surfaces

- 1/2 acre per person



65% is habitat for cars



35% is habitat for people

Storm Water BMPs



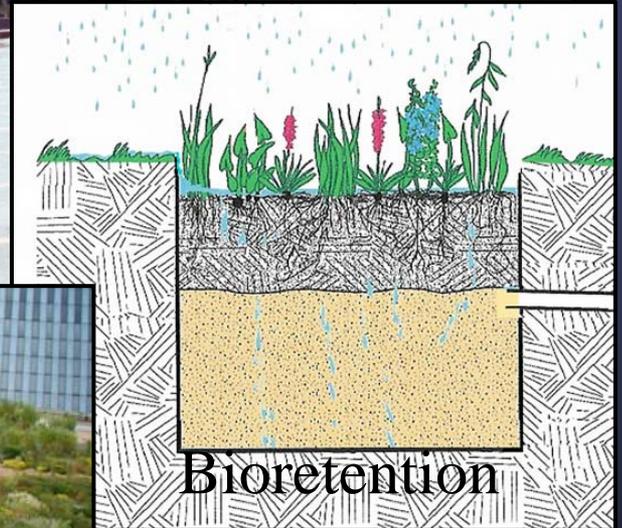
Wet
detention



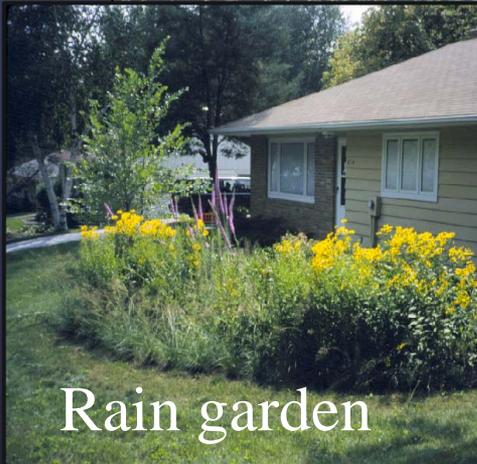
Infiltration basin



Filter strip



Bioretention



Rain garden



Green roof

Common / Expected Maintenance

- Outlet cleaning / unplugging
- Tree / weed removal
- Mowing / revegetation
- Erosion / riprap repair
- Filter replacement
- Sediment removal (forbay/settling tank)



Less Often / Costly Maintenance

- Sediment dredging
- Liner repair or replacement
- Engineered soil / drain system replacement
- Replacement of native vegetation
- Outlet replacement
- Berm/shelf repair or reconstruction
- Spillway reconstruction

Some BMP Lifespan Factors

- Watershed land use / impervious area
- Watershed management (pollutants)
- Watershed size / peak flow / conveyance
- BMP use / abuse / vandalism / wildlife
- Soil types / compaction / management
- Groundwater fluctuation / mounding