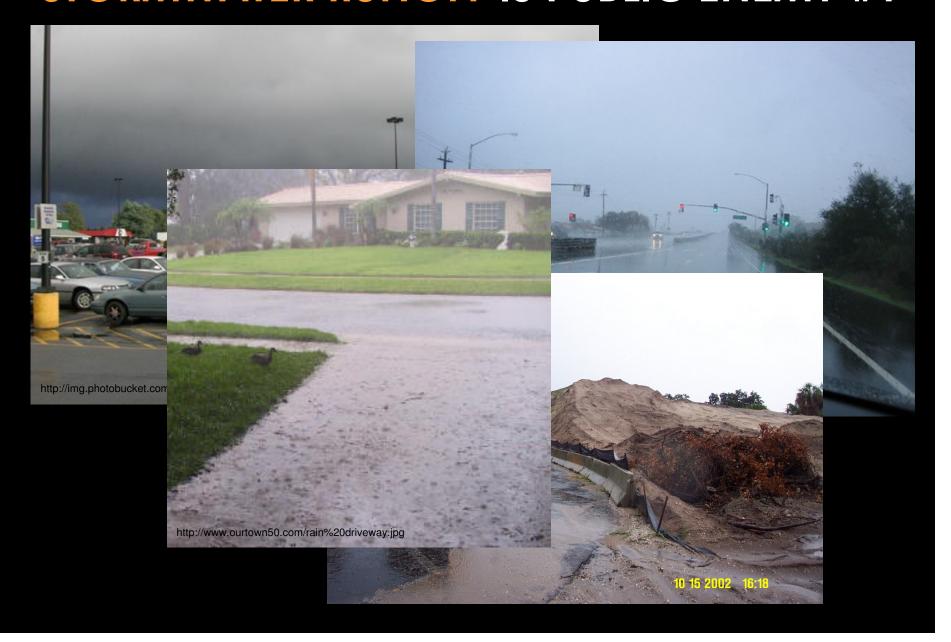
Stormwater Pollution Prevention April 18, 2009



THE <u>worst</u> POLLUTERS ARE NOT WHO WE THINK...

- Sewage plants?
- Chemical companies?
- Oil tanker spills?
- Industrial discharges?

STORMWATER RUNOFF IS PUBLIC ENEMY #1

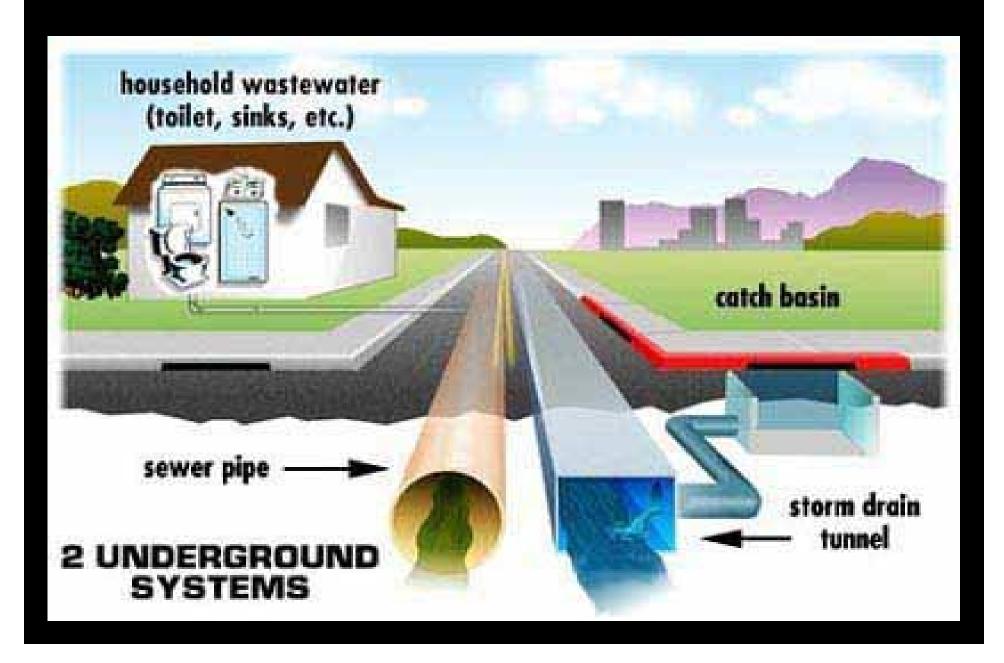




The road is part of the storm drain system



Storm drains are not connected to a treatment plant



Water Pollution Laws

Clean Water Act in the 1970s

NPDES- Control pollution from getting to waterways

Industrial then Stormwater

 Only clean water down the storm drain – it all goes to our waters

ENFORCEMENT

 County ordinance: only CLEAN WATER into drainage and waterways.

Fines up to \$10,000!

- Examples of illegal discharges:
 - Pet waste
 - Yard clippings, leaves
 - Dirt, concrete, sand
 - Chemical washout (paint, etc)
 - Chlorinated pool water
- Even during the dry season it is important to prevent stormwater pollution

EXEMPT DISCHARGES

- POOL WATER (IF NOT CHLORINATED)
- RESIDENTIAL CARWASH
- GROUNDWATER
- IRRIGATION WATER

What about illicit connections???

Worst Pollutants



DIRT It's not just Dirt!



Sources:

- Construction
- Stream Bank Erosion

Impacts:

- High turbidity
- ReducedOxygen
- Fish kills

NUTRIENTS, a.k.a plant food

Sources:

- Yard Clippings
- Fertilizer overuse

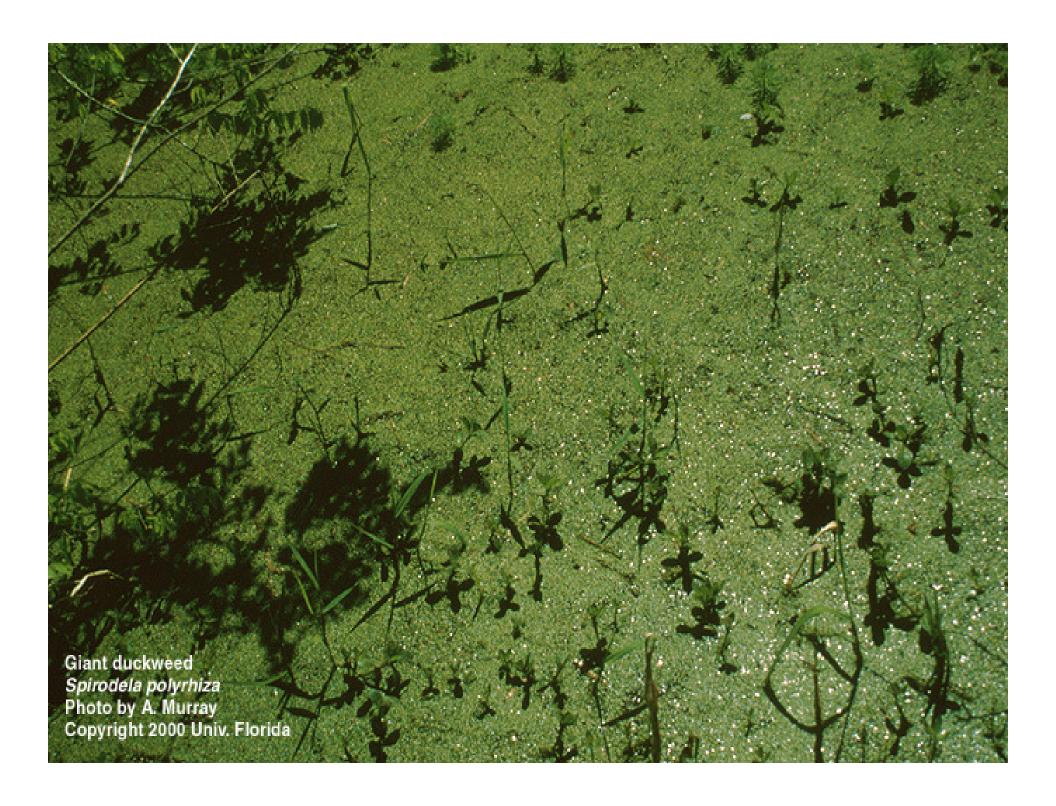


Impacts:

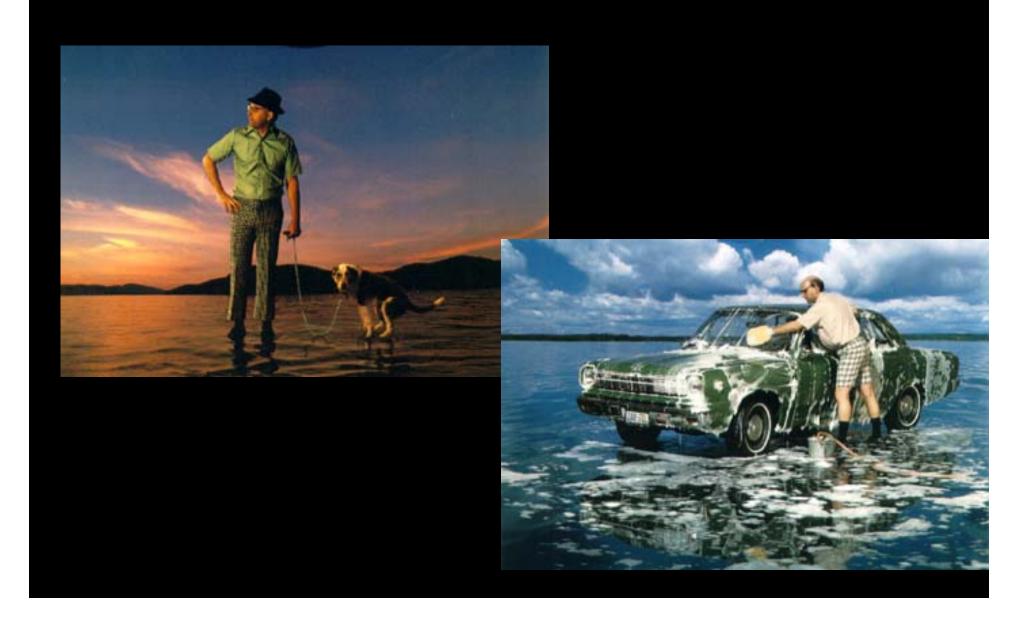
- Green water (very unsightly)
- Algae consume all the oxygen
- No oxygen = no fish

NUTRIENTS, a.k.a plant food





OTHER SOURCES OF NUTRIENTS



PESTICIDES



Sources:

- Yard clippings
- Excessive usage

Impacts:

- Danger to aquatic life
- Human exposure





OIL AND GREASE





- •Have leaks repaired immediately.
- •Use oil absorber to collect the oil. Dispose of it in the trash.
- Drip pan to collect leaking fluids
- Recycle or dispose of the fluids properly

Chlorinated pool water



- Pool filter backwash (diatomaceous earth)
- Test water before discharging
- Drain water to lawn or garden if possible



Contractors

- Pool, masonry, bricklayers, power washers, landscapers, waste haulers
- Make sure they know about the ordinance
- Make sure they clean up the road



WHAT CAN YOU DO TO HELP?

- Limit fertilizer and pesticide usage to recommended quantities and do not use near water or just before a rain.
- Recycle your yard clippings.
- Wash your car at a local car wash facility; they recycle the water. Or wash it on the grass.
- Pick up after your pet
- Maintain your car regularly
- Never discharge pool water containing chlorine or particulates to the stormwater system.
- Store chemicals inside where they are not exposed to rain
- Report any possible violations of the stormwater ordinance.

Contact Information for Possible Illegal Discharges

- (727)464-4425
- 24 hr hotline (727)464-5060
- Stormwater Education websitewww.pinellas.wateratlas.usf.edu/StormwaterEd/
- Brochures