



# Protecting Lakes From Storm Water Runoff



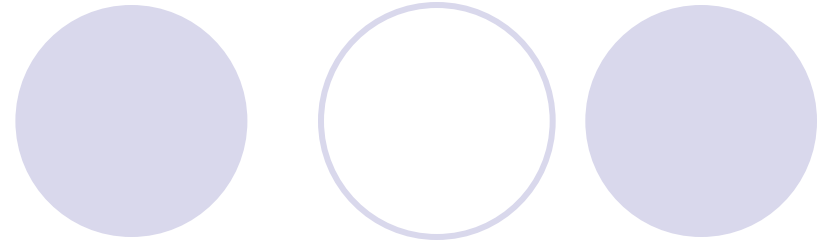
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# What is Storm Water Runoff?

- Precipitation that picks up debris, chemicals, dirt, & other pollutants
- Flows into storm drains or directly into a body of water

# Why is this bad?



- Storm drains are untreated
- Water that goes directly into the water is also untreated
- Lakes are often used for town drinking water
- Pollutes drinking water



# What can we do?

- There are lots of things we can do
- Some work better at different slopes than others
- Common techniques:
  - Rain Gardens
  - Porous Pavers
  - Vegetative Buffer

# Rain Gardens

- Capture & filter storm water from roofs, driveways, & other hard surfaces
- Collect water & slowly allows to soak into the ground
- Reduces pollutants flowing into storm drains



# Permeable/Porous Pavers

- Allows water to percolate through
- Reduces pollutants
- Reduces downstream flooding
- Erosion control



# Vegetative Buffer

- Trees, shrubs, & groundcover
- Catch sediment & nonpoint source pollutants before it reaches the body of water
- Slows down runoff so water & nutrients can filter slowly into the ground





# Which method is better to use by lakes?

- Vegetative Buffers
- Catches sediment & pollutants before it reaches the water
- Enhances privacy for lakefront homeowners
- Provide shade, shelter & food source for animals