

CLEAN WATER FOR OUR TOWN

What Residents Can Do

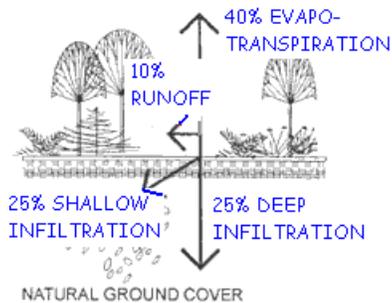


Stormwater, resulting from rain and snow, is the source of fresh water that feeds our streams, rivers, lakes and underground aquifers. As a water source, stormwater must be clean and in good supply to protect our drinking water supplies and preserve streams and lakes for human recreation and wildlife habitat.

Proper Stormwater Management

- Reduces water pollution
- Decreases flooding potential
- Replenishes drinking water sources
- Protects wildlife habitats.

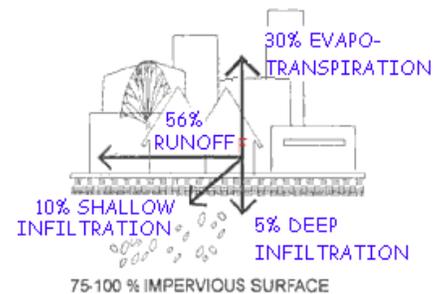
STORMWATER RUNOFF



How we use land directly affects the way stormwater flows. Under undisturbed conditions, over half of precipitation infiltrates the soil and only about 10 percent runs off the surface. The natural vegetation acts like a sponge and a filter, slowing the flow and cleaning the stormwater.

Roads, pavement and buildings (impervious surfaces) reduce the area

where stormwater can soak into the soils to replenish water supplies. This means less water recharges underground aquifers, making them unable to keep up with the amount wells pump out.



The impervious surfaces also cause problems with our lakes, rivers and oceans. Less water infiltration means more water flowing on the surface. Roadways and storm sewers act like superhighways for stormwater, speeding its flow. So much water flowing more quickly results in greater and more frequent flooding. It causes erosion, eating away the banks of rivers and streams.

Stormwater also carries pollution. As water flows across land, it picks up all sorts of contaminants - litter, pesticides, fertilizer, pet wastes, petroleum products, and road salts. The increased volume and speed of stormwater runoff from paved surfaces wash more of these pollutants into water bodies. This can cause fish kills, force beach closings and degrade recreational areas.

Reduce the Amount of Runoff

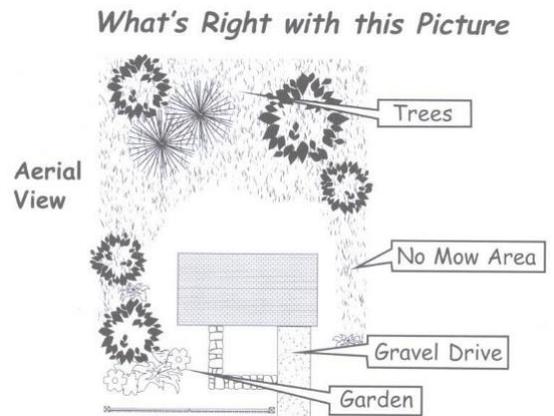
Residents can reduce the amount of stormwater that runs off their properties by

- Reducing the amount of lawn and pavement
- Planting groundcover
- Planting trees
- Creating gardens, no mow areas, meadows
- Separating pavement from other hard surfaces with a vegetated border.
- Watering lawns only if necessary

Keep Runoff Cleaner

Residents can help reduce pollution in runoff by:

- keeping a buffer along any stream on the property
- avoiding use of pesticides
- composting leaves and grass clippings
- taking hazardous substances to a proper disposal repository
- preventing objects or fluids from draining into stormwater grates or inlets.



RESIDENTS' CHECKLIST FOR CLEAN WATER

- ___ Convert part of your lawn into a garden or more groundcover (runoff over grass is close to that over pavement).
- ___ Water lawn only when necessary.
- ___ Use lawn fertilizer sparingly.
- ___ Leave grass clippings after mowing.
- ___ Plant trees and keep mature trees.
- ___ Wash your car at a car wash, not on the driveway.
- ___ Use a pooper scooper if you have a pet.
- ___ Direct gutter downspouts away from pavement or to a rain barrel.
- ___ Check your driveway or garage for leaks from your car.
- ___ If on septic, pump septic tank regularly.
- ___ Do not litter.



Stormwater management is important.

The Association of NJ Environmental Commissions created this guide.

For more information, visit www.anjec.org or call 973-539-7547.