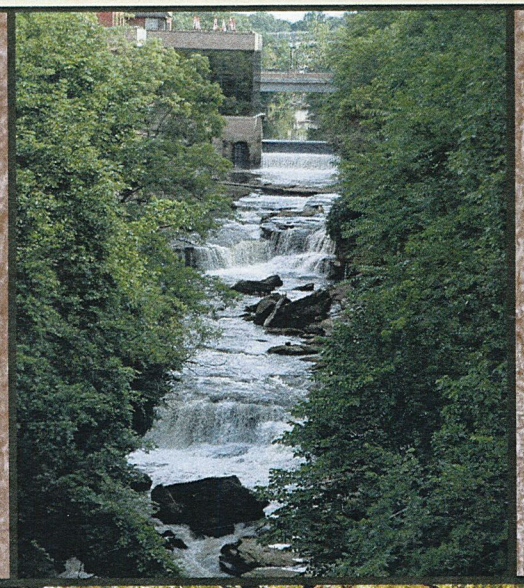
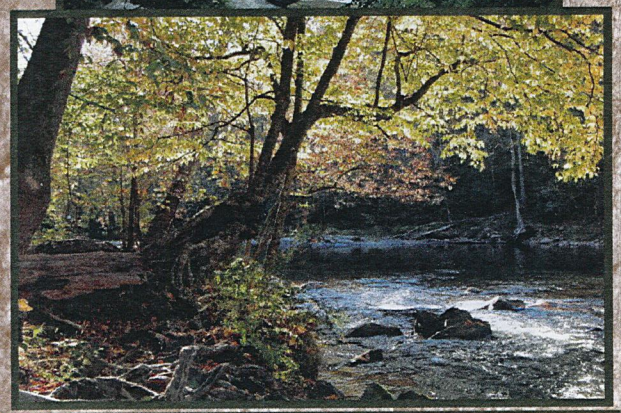
Riparian Buffers Filter Runoff And Provide Critical Wildlife Habitat





- Riparian corridors surrounding streams filter out pollutants, keep sediments from entering the water, help prevent non-point source pollution and flooding, and provide vital travelling corridors for wildlife.
- Tree canopy over streams keeps the water cool and oxygen-rich, supporting an abundance of aquatic species.

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Trees Increase Property Values And Save Money

- Trees increase property values and curb appeal. A sugar maple whose trunk is 30 inches in diameter will provide $94.00 in added value yearly.
- Trees reduce automobile fuel costs. Vehicles parked in shade use less fuel to cool down in summer and warm up in winter.
- Trees reduce watering expenses. Trees use less water than lawns and their shade can reduce the water needs of other landscape plants.

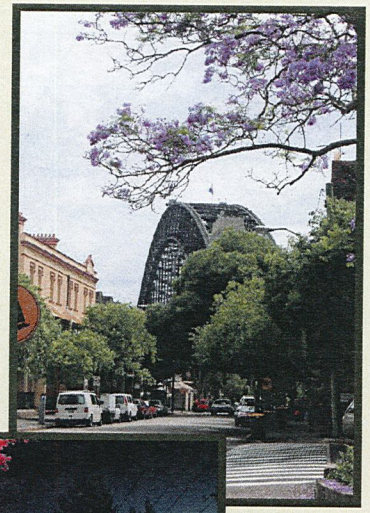
Taking Root

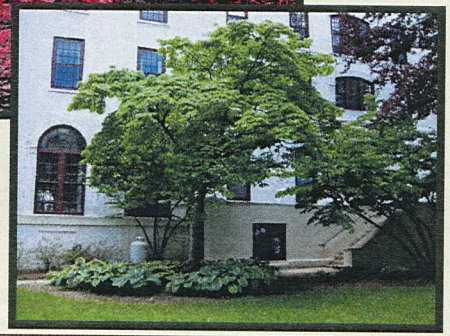
For Clean Water

Trees Improve Stormwater Quality

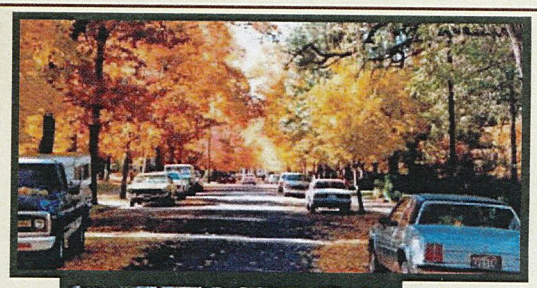
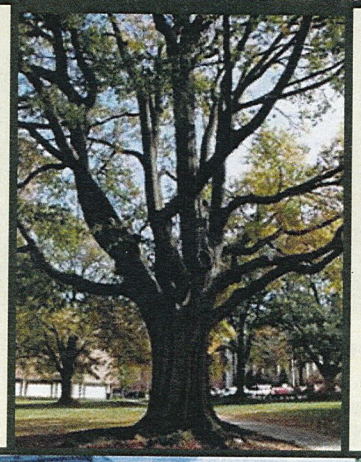
- Trees act like sponges, filtering out pollutants and storing water in their root systems. A red oak with a 30 inch trunk diameter can filter and hold 4,700 gallons of stormwater annually.
- Trees intercept and hold rain on leaves, branches, and bark. An American Sycamore with a 30 inch trunk diameter will divert 4,717 gallons of rainfall annually.
- Tree roots anchor the soil in place, preventing erosion and keeping sediments out of the water.

Trees Provide Health And Safety Benefits





- Tree-lined streets are likely to be used more for walking and other recreational activities, and this promotes healthy exercise.
- Urban areas with trees are safer and more likely to help prevent crime. Trees lining streets reduce driving stress and accidents.
- Hospital patients with views of greenery spend 8.5 fewer days in recovery.

Trees Reduce Air Pollution And Save Energy

- Tree canopies slow down winds, reducing heat loss from buildings and improving energy efficiency, especially where there are many glass windows.
- Trees improve air quality. A broadleaf deciduous tree with a 30 inch diameter will reduce atmospheric carbon by 1,406 pounds annually.
- Trees provide shade in summer and prevent urban "heat islands." A 30 inch diameter sugar maple planted on the tree lawn can save 345 Kilowatt hours of energy annually.