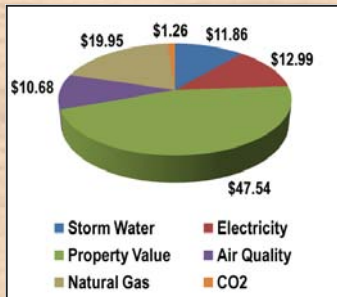


Rooted in Value!

While it is easy to place a monetary value on tree products, calculating the environmental benefits and ecosystem services that trees provide is much more challenging. Fortunately, the U.S. Forest Service and many major partners have developed a software known as i-Tree. The i-Tree tools enable users to easily and accurately find the dollar value of the benefits provided by urban trees.



For example, a 12-inch Northern Red Oak will intercept 1,482 gallons of storm water runoff each year and provide overall annual benefits of \$133.



A 12-inch Eastern White Pine will intercept 1,258 gallons of storm water runoff per year and provide overall annual benefits of \$81.

An 8-inch Eastern Redbud will intercept 371 gallons of storm water runoff each year and provide overall annual benefits of \$43.



To calculate the benefits of your trees visit:

treebenefits.com/calculator/



The planting of trees and native plants continues to be a worthwhile investment “taking root” in Northeast Ohio! For more information on trees and native plants or to find out if your local Soil and Water Conservation District (SWCD) has an annual tree sale, please contact your nearest partnering agency.

Cuyahoga SWCD
www.cuyahogawcd.org
 216-524-6580

Portage SWCD
www.portageswcd.org
 330-297-7633

Geauga SWCD
www.geaugawcd.com
 440-834-1122

Summit SWCD
www.summitswcd.org
 330-929-2871

Lake SWCD
www.lakecountyohio.gov/soil
 440-350-2730

City of Avon Lake
www.avonlake.org
 440-930-4101

Medina SWCD
www.medinaswcd.org
 330-722-9322

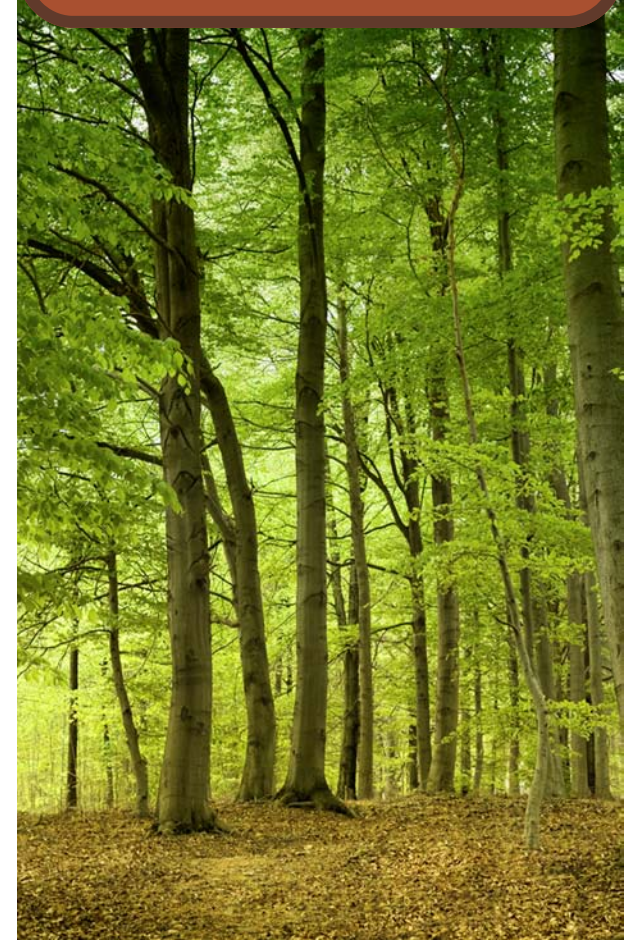
Chagrin River Watershed Partners
www.crwsp.org
 440-975-3870

Sponsored by the Northeast Ohio Public Involvement and Public Education (NEOPIPE) work group with funding provided in part by a grant from ODNr Division of Soil and Water Resources.



For more information about NEOPIPE visit neohiostormwater.com/neopipe.html

TAKING ROOT for CLEAN WATER



Planting trees and native plants helps to keep our water clean!

Trees and Native Plants Provide Many Services To Our Communities!

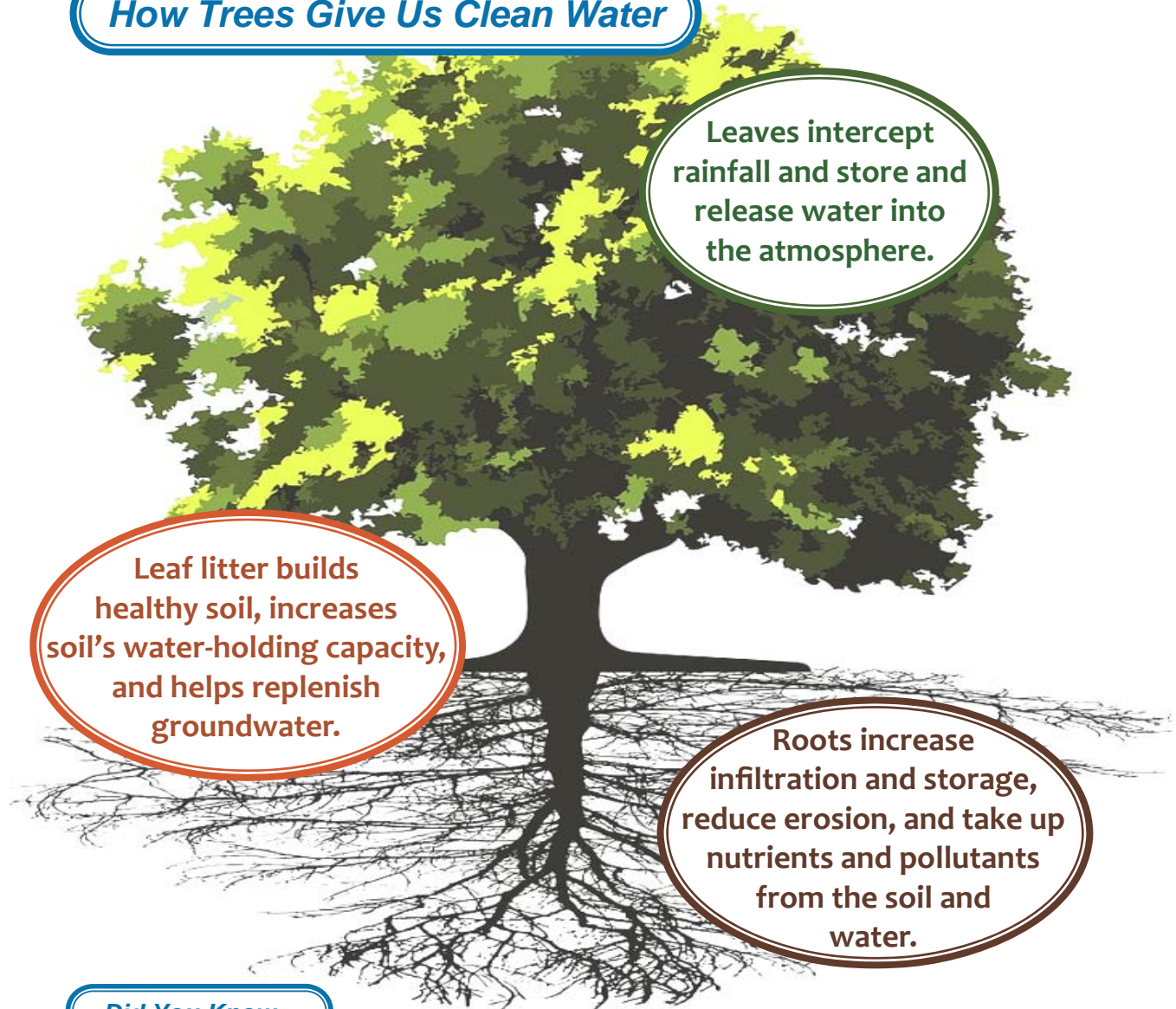
There are countless reasons why trees and native plants benefit our communities.



Did you know that the simple act of planting a tree also helps to keep our waters clean?

Trees effectively decrease the impact of heavy rainfall by capturing and filtering pollution and sediment contained in storm runoff and snowmelt. By intercepting rainfall before it enters nearby storm drains and creeks, trees help reduce flooding. These abilities to improve the quality and reduce the volume of storm water are some of the most overlooked and undervalued services that trees provide. The more native tree and plant cover that we have in our neighborhoods, the healthier our creeks and our communities will be!

How Trees Give Us Clean Water



Leaves intercept rainfall and store and release water into the atmosphere.

Leaf litter builds healthy soil, increases soil's water-holding capacity, and helps replenish groundwater.

Roots increase infiltration and storage, reduce erosion, and take up nutrients and pollutants from the soil and water.

Did You Know...

A sugar maple tree with a diameter of 15" intercepts about 1,400 gallons of storm water and has an approximate monetary benefit of \$150 annually. To calculate the benefits of your trees, go to treebenefits.com/calculator/.