



20 YEARS PROTECTING CLEAN WATER & RIVERS IN TN

20 REASONS TO SUPPORT HARPETH CONSERVANCY

Tennessee's waterways are globally unique!

Risks to drinking water and Tennessee's natural heritage are rapidly increasing

1 million more people will move to the Nashville region in the next 15 years.



Losing 26,000 acres of natural/rural land a year!

3.5 million Tennesseans } **OVER 60%** rely on waterways for drinking water!



ALMOST 50% of the stream and river miles assessed by the State of Tennessee **DO NOT** meet water quality standards.



The State Scenic Harpeth River is home to **84 fish species!**



Over 3 times the number found in the Colorado River.

7 of 8 most biodiverse rivers in North America flow through Tennessee.



Successes toward ensuring clean water for the Harpeth and for all rivers in TN

Secured over \$1 million in state and federal grants

for projects on developments, rural communities, farms, schools, and parks **(50+ projects, 6 counties)** to improve water quality and enhance economic value.

Coordinated the 1st landowner led "downzoning" of their own properties in Williamson County.

Worked with county leadership **to ensure rural land protection goals are met** in land use plan.



Created **Don't Be Crappie®** campaign and work with state agencies on recreational issues. Encourage 500,000+ people enjoying the Harpeth and other state hotspots to remove their trash, respect private property owners and other recreators.

Leader of **\$725,000 Harpeth Lowhead Dam Removal & Restoration Project** with Franklin and 12 agency partners.

Secured \$300,000 US Fish and Wildlife grant.

Restored river flows and fish habitat with removal of last barrier on Harpeth.



Funded and conducted analyses that led to **establishment of first state "water withdrawal" permit** for Franklin's small, back-up drinking water plant. **Set limits on amount of water that Franklin can pull out to prevent "sucking" river dry.** Established science-based approach for similar proposals across the state for maintaining healthy river flows.

Reached 25,000+

community leaders, farmers, development professionals, land owners, civic and youth groups via wide range of workshops, outings, events, and **educational programs** with camps and schools.



AWARDS
3 Governor's Environmental Stewardship Awards.



Harpeth Lowhead Dam project recognized in **2012 US President's River Initiative.**

Co-creator of **HARPETH RIVER BLUEWAY**

with **25+** public non-motorized accesses (official and informal). **Raised \$45,000** and helped write state permit for hand-built accesses.

Created **Nashville Flood Recovery Project** collaboration in response to historic Nashville 2010 flood. **200 sites** assessed, **153 tons** of debris removed, **12,656 trees** planted, **70+ volunteer** river cleanup and restoration projects in 3 counties.

Conducted, funded, and advised **40+ science studies** on water quality and wildlife; **25+ expert analyses**; **6 watershed restoration plans**; reviewed over **100 proposals for permits & responded to pollution problems** from chemical contamination of streams to construction activities.



Secured **\$200,000 EPA grant** with Franklin, Williamson County, and two developments as partners to design local programs to reduce erosion and flooding from stormwater runoff.



Organized 10,000+ volunteers for

200+ projects in stream restoration, rain gardens that reduce runoff, river cleanups, science and water quality monitoring projects.



Provide expertise to agencies and state legislature **to shape laws and policies** on clean water, environmental protection, and land use.

Senior staff appointed to or participated in **20 local & state committees** on development and growth plans, stormwater management, and state water policy.



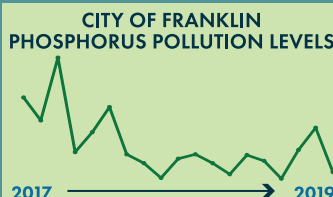
Secured federal court agreements on 3 sewer plants on Harpeth to fix permit compliance issues, improve plant operations to reduce pollution, reduce raw sewer overflows.

Includes \$230,000 of funding from the sewer plants for new Harpeth pollution reduction study.



Helped launch the multi-city and agency **Harpeth Pollution Reduction Study** based on our 2012 draft monitoring plan.

Raised \$125,000 for specific studies needed that government partners not able to do.



Reduced "nutrient" pollution in the Harpeth through advocating for changes to state sewer plant permit to **Franklin.**

30% less discharge of phosphorus pollution that can cause **harmful algal blooms** in less than 1 Year from Franklin!

Secured increased removal ability with new sewer plant expansion so Franklin is able to remove all that is needed based on findings from pollution reduction study now underway.

Specialty license plate: Put Clean water on your plate

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Science-based conservation for the rivers of TN

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