



PIEDMONT TRIAD REGIONAL COUNCIL



DC FISH

Davidson County citizens For Improving Stream Health



Joy Fields

Stormwater SMART Educator

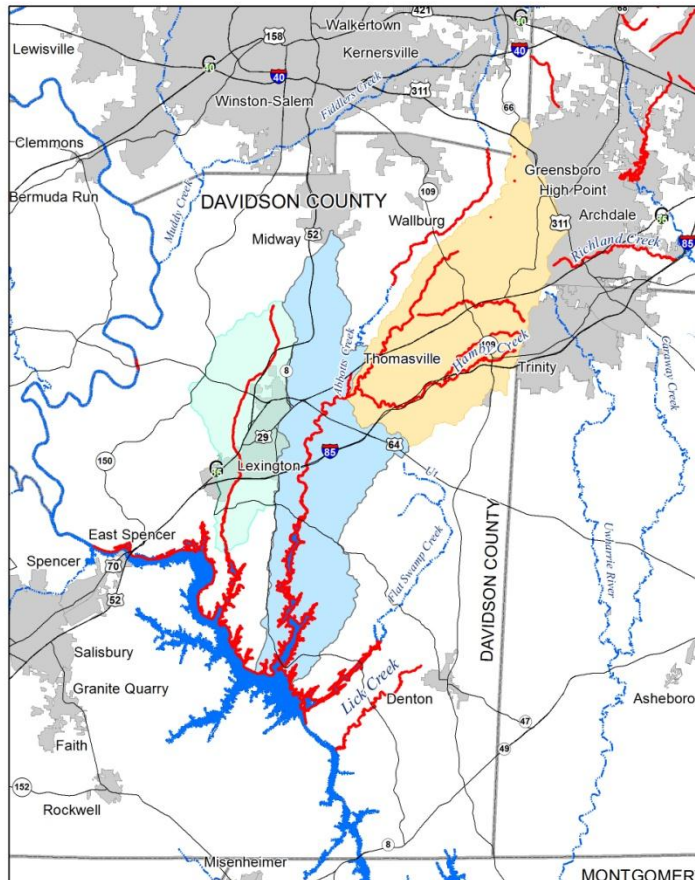
Piedmont Triad Regional Council



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What is a Watershed?





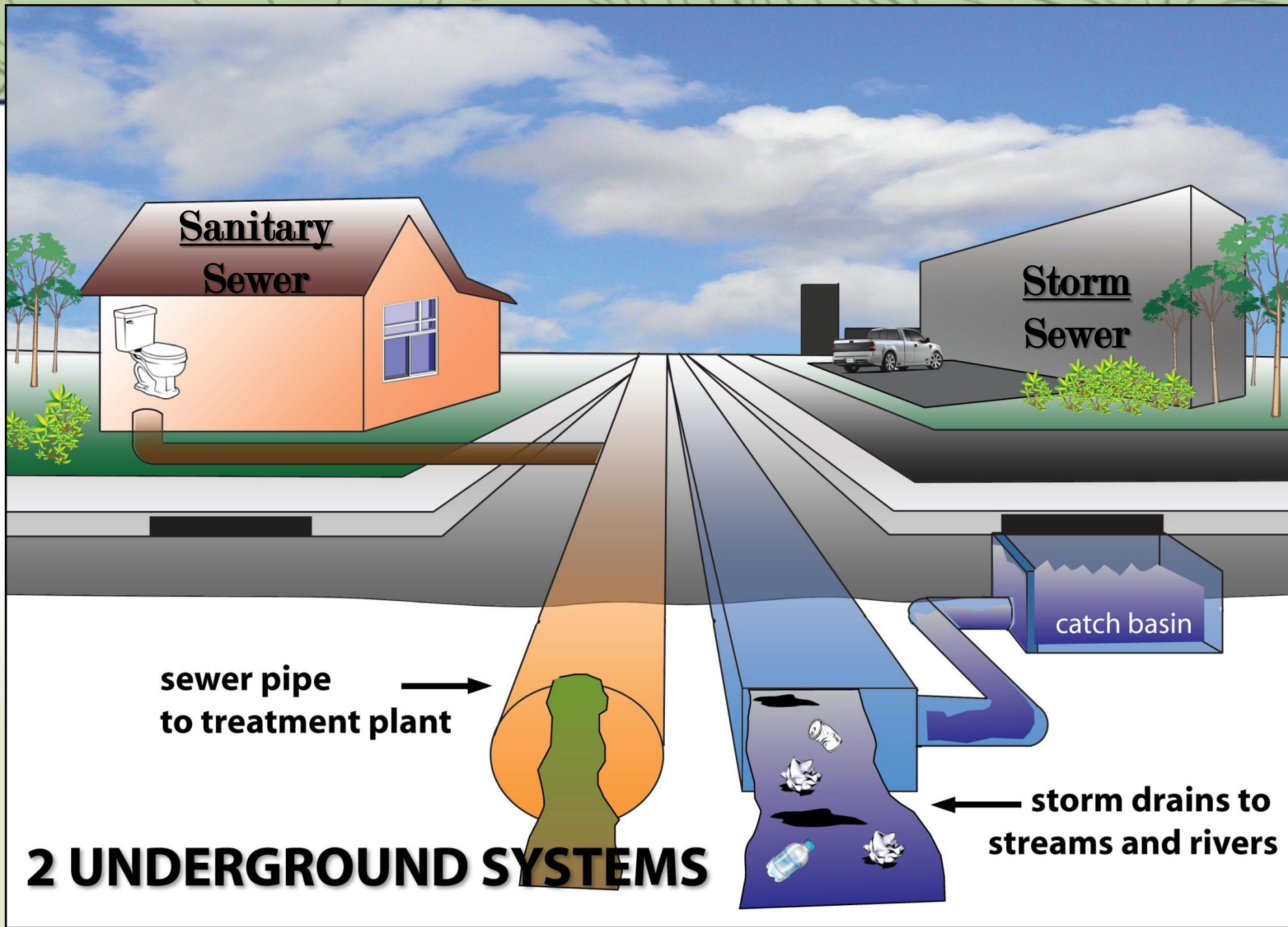
**Sanitary
Sewer**

**Storm
Sewer**

sewer pipe
to treatment plant

storm drains to
streams and rivers

2 UNDERGROUND SYSTEMS



Holiday Treats, Watered Down

Measuring post-holiday spice levels in waterways helps scientists raise awareness of public's role in protecting water quality.

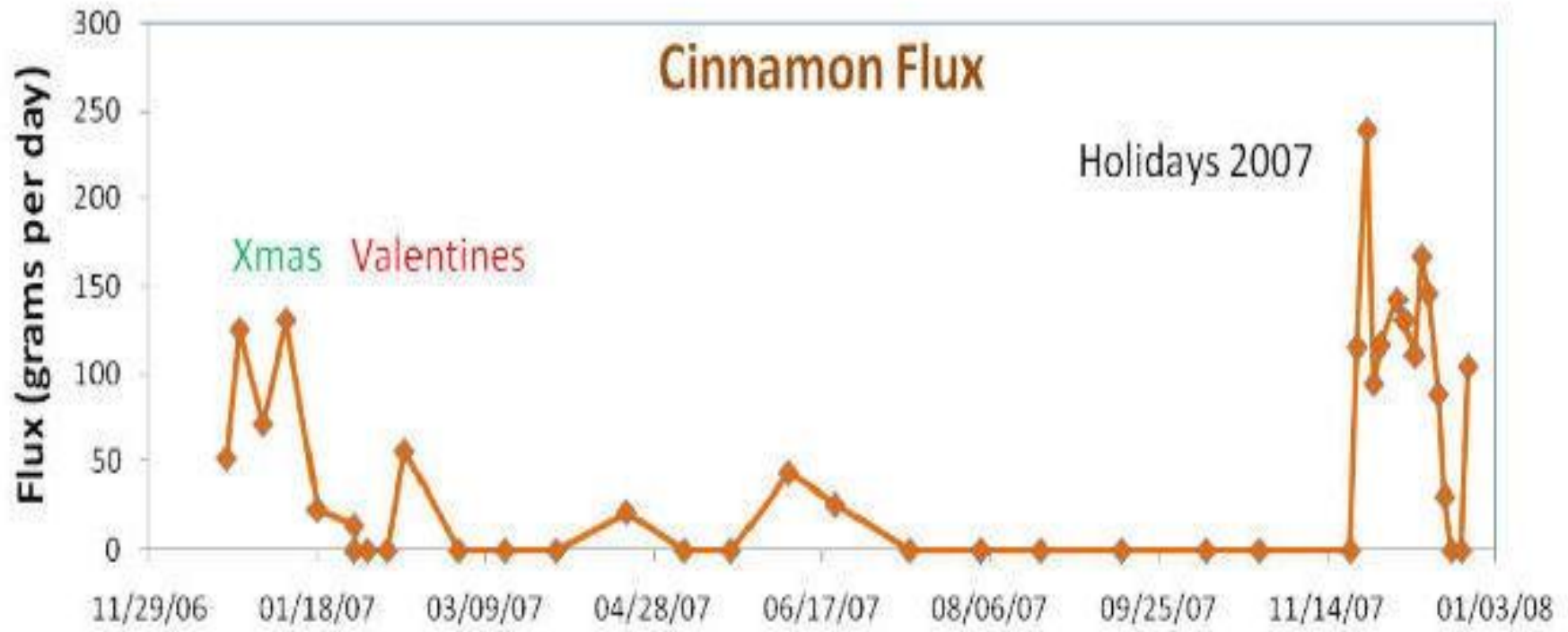


Cinnamon



Cinnamon

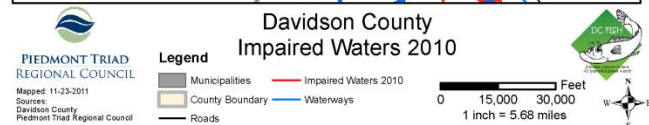
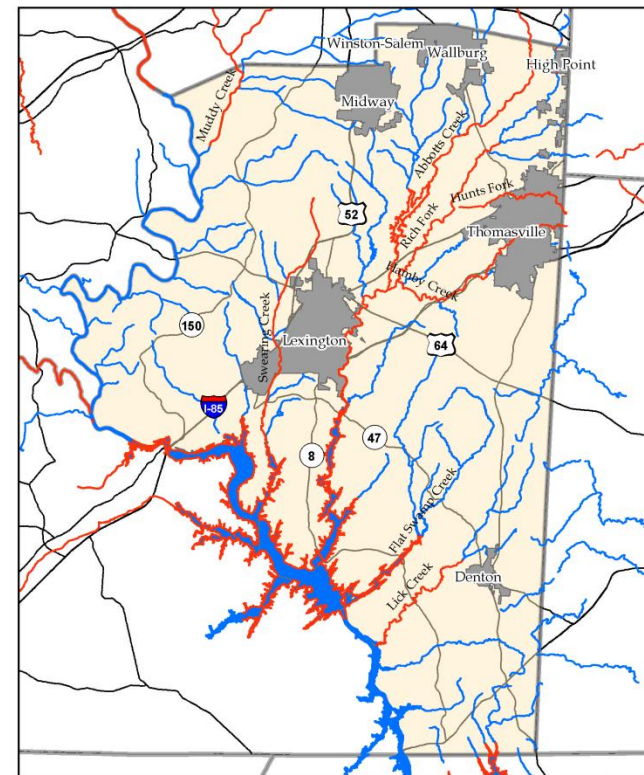
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Davidson County Impaired Waters

Davidson County has 91 miles of streams and 11 square miles of impaired lakes including High Rock Lake



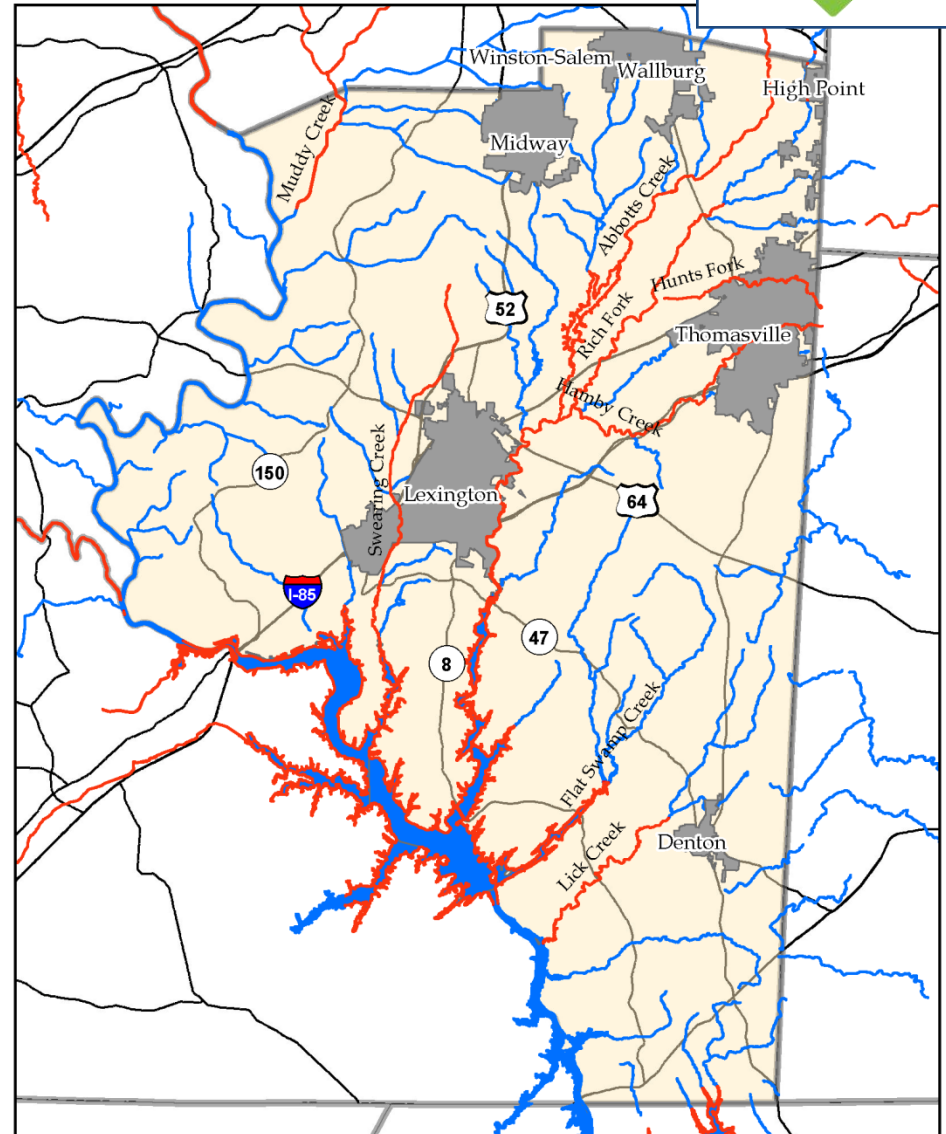


PIEDMONT



High Rock Lake Impairment

- Turbidity,
- Poor habitat conditions,
- Chlorophyll a,
- High pH,





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- Turbidity





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- Turbidity
- Poor Habitat





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- Turbidity
- Poor Habitat
- Chlorophyll-a (and pH)





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Davidson County citizens For Improving Stream Health

- to increase awareness of water pollution and the needs for water stewardship;





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Davidson County citizens For Improving Stream Health

- to increase awareness of water pollution and the needs for water stewardship;
- to identify dump sites along waterways and coordinate regular clean ups to address them;



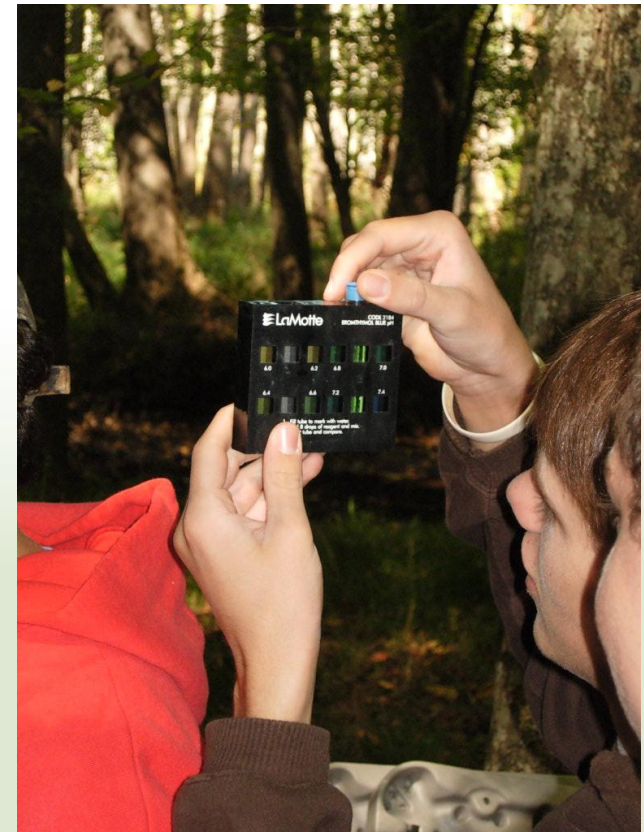


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Davidson County citizens For Improving Stream Health

- to increase awareness of water pollution and the needs for water stewardship;
- to identify dump sites along waterways and coordinate regular clean ups to address them;
- to implement Stream Watch groups to adopt impaired streams, ensuring higher quality waters throughout Davidson County;





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Chemical Measures of Stream Health

- Turbidity
- Bacteria
- Nutrients
- Dissolved Oxygen
- Toxic Substances
- pH
- Temperature



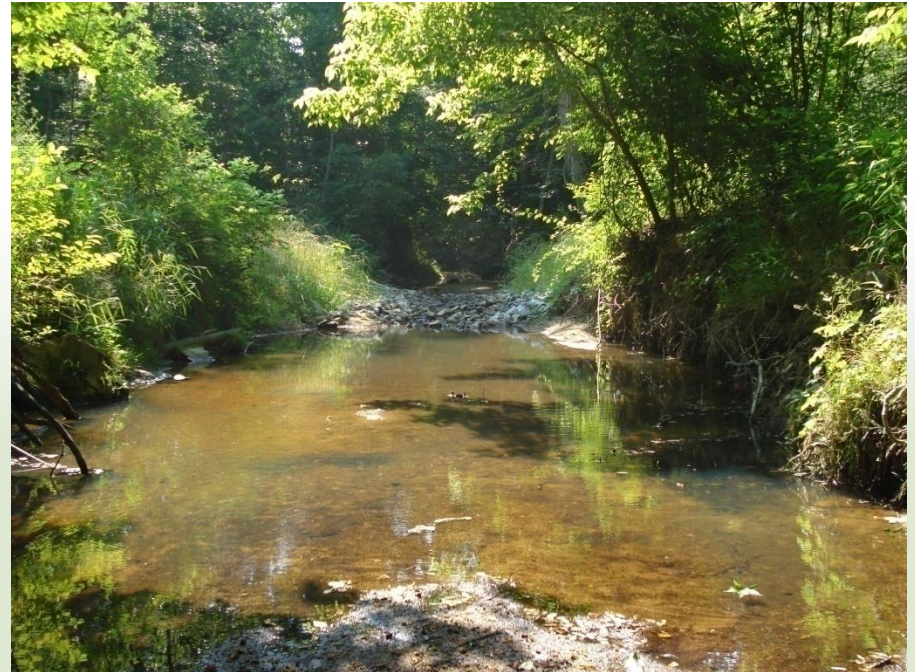


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Visual Measures of Stream Health

- Riffles
- Pools
- Erosion
- Tree Cover
- Pollution Sources



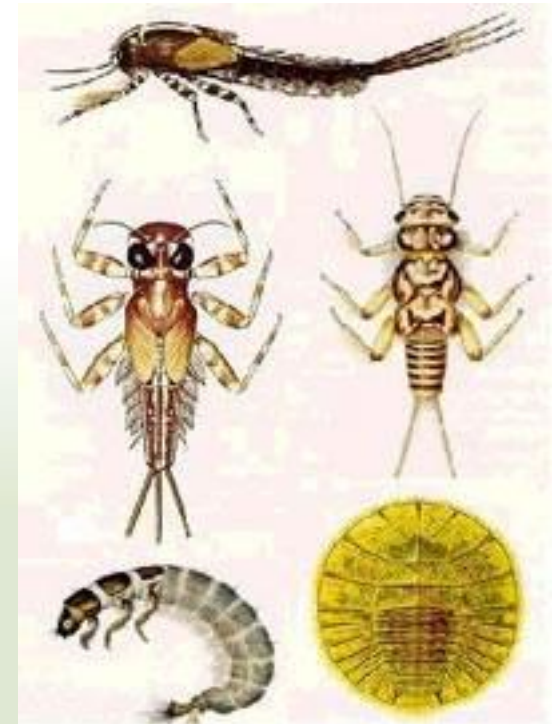


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Biological Measures of Stream Health

- Biological Indicators
 - Polluted
 - How long?





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Davidson County citizens For Improving Stream Health

To improve water quality in Davidson County's streams and lakes to keep High Rock Lake healthy and supportive for tourism and recreation.





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Joy Fields

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Piedmont Triad Regional Council

Funded by DWQ

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