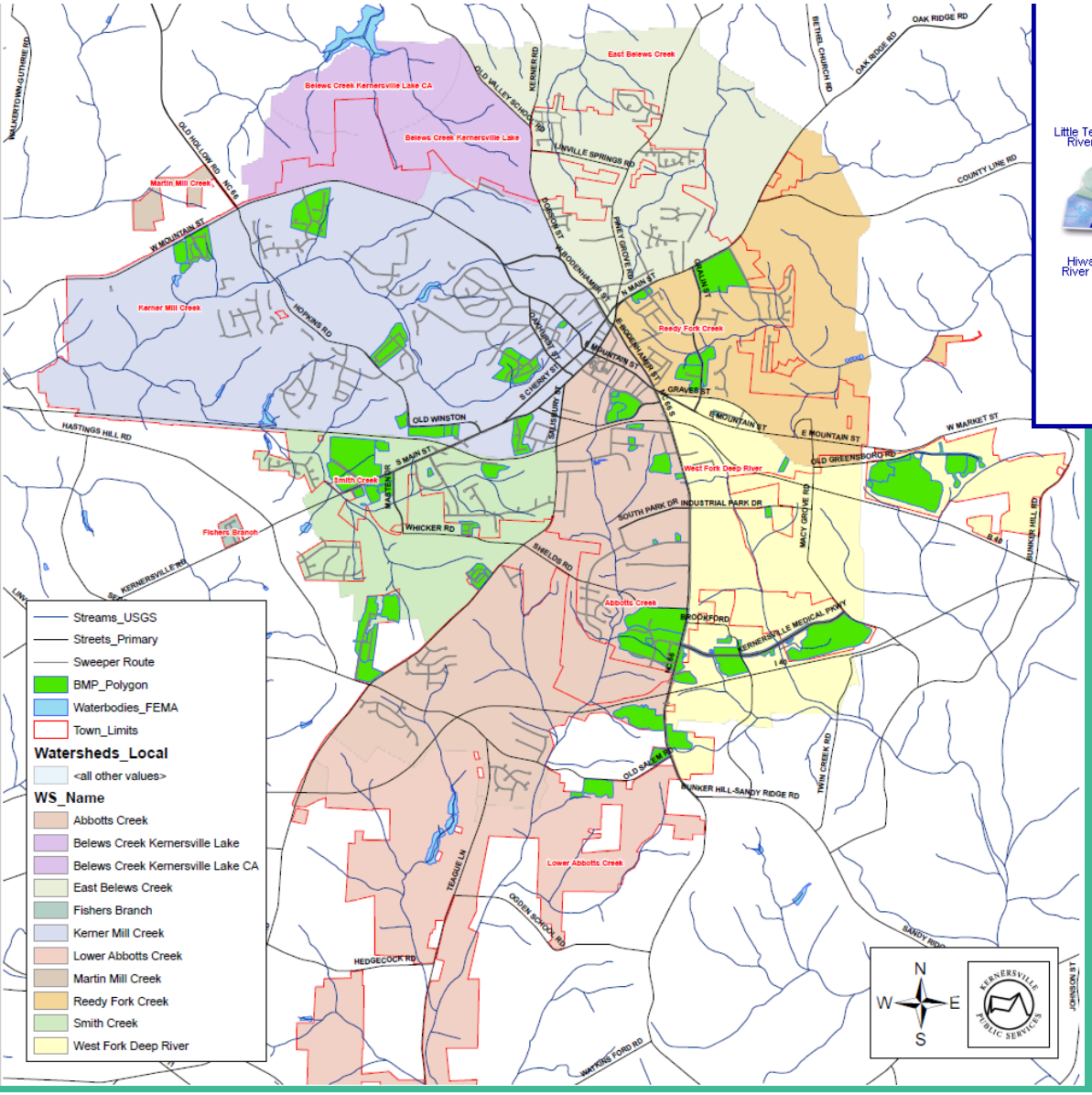
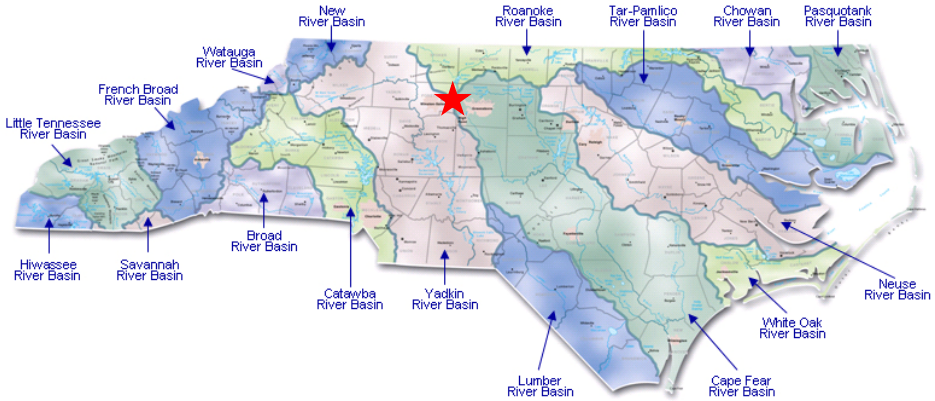
SWIMMING WITH THE FISHES OR LOVING YOUR STREAM TO DEATH

Wendi Hartup, stormwater manager





POPULATION: ~25,000

3 RIVER BASINS

JURISDICTION & ETJ: 25.07 SQ MI

STORMWATER UTILITY FEE:
2980SF RESIDENTIAL = $39.51/YR
EACH1000SF ADDITIONAL = $13.26

DEALING WITH THE PUBLIC

Myths

Active Activities

Passive Activities

Streambank Stabilization Myths

Round-up (herbicide) will beautify and stabilize my creek??

Streambank Stabilization Myths

Dumping scrap concrete, asphalt, etc. will stabilize the creek? Grass clippings will hold the bank right?

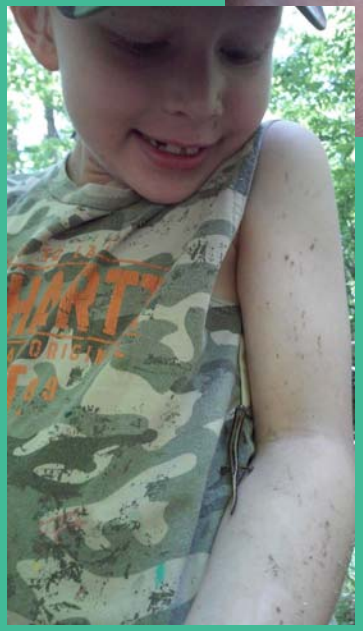
CREEK MYTH: CREEKS STAY THE SAME.

- 96 ac watershed
2 small creeks joining on property from culverts to a single culvert

AERIAL TIME LAPSE
SPOILER ALERT…NATURE CHANGES!

MYTH…RIPARIAN PLANTS ATTRACT SNAKES!

https://shoulpix.wordpress.com/



THANKS FOR LOVING THE CREEK??

These sticks aren't construction stakes??? A parks crew pulled out all the livestakes along a small stretch of stream! It was a project of public works but communication is always key.

Had to replace 500-1000; guess who got to help put them back?!!!

Parks mows all the way to edge of stream. Nice and neat with no scary people hiding there.

Buffer rules required a replanting but to compromise…thinned shrubs and chose shorter plants.

ACTIVITIES…

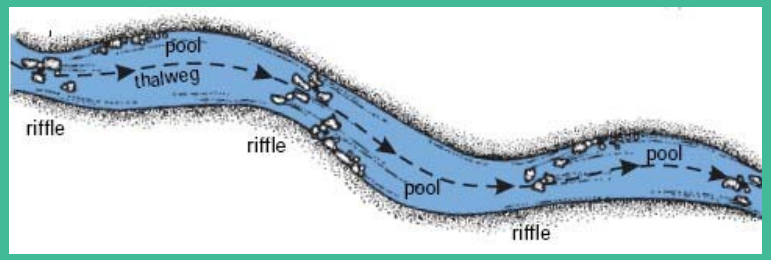
LIVING STREAMS

Intro to Stream Ecology

Macroinvertebrates as bio-indicators

Sample for critters

Discuss impacts on critters



BACKYARD BUFFER

Reedy Fork cleanup = 2680lbs

Planting Party at the Park

Stream Trailer

- 25 organizations involved in County
- 30 events: films, fly-fishing demos, green roof lecture creek crawls, and volunteer service projects.

STREAM SIMULATION TRAILER COMPLETED

11/1/16
CALEB'S CREEK KINDERGARTEN (100)
TOK PUBLIC SERVICES DAY

WE USE IT EVERYWHERE!

PLANT PARTY AT THE PARK

More than 1000 plants planted: Aesculus pavia, Caltha palustris, Carex lurida, Chionanthus virginicus, Cornus amomum, Cymophyllus fraserianus, Echinacea purpurea, Fothergilla gardenii, Halesia carolina, Halesia diptera, Hamamelis vernalis, Hamamelis virginiana, Hymenocallis caroliniana, Iris cristata, Iris versicolor, Iris virginica, Juncus effusus, Lobelia elongata, Lyonia lucida, Packera obovate, Pediomelum subacaule


March 2017


6 months later


April 2018


6 months later

STREAM PROJECTS

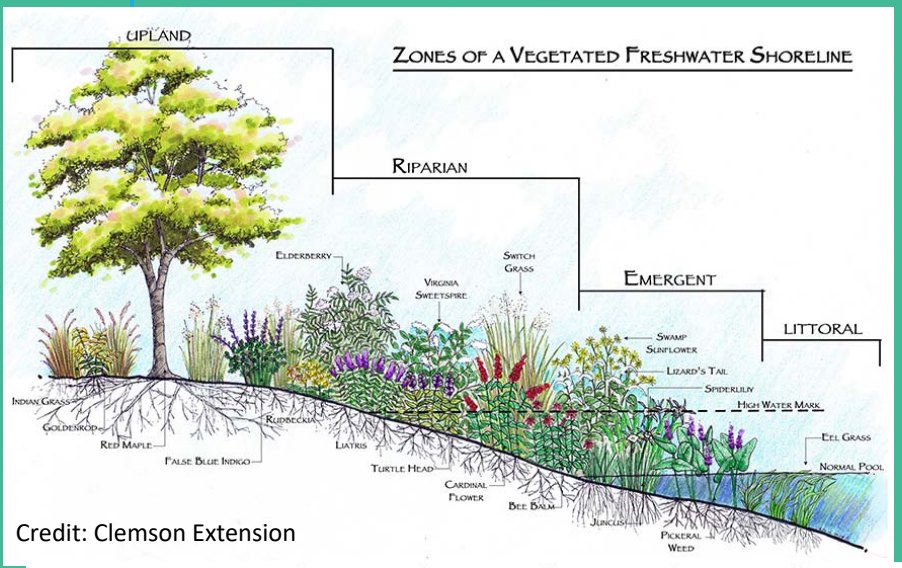
Oct 2016 –AWARDED CWMTF stream restoration grant $400,000

- Livestake install, small-scale streambank repair, construction workshop with Cooperative Extension

Fall 2018 construction begins for Town's first stream restoration (using design-build team)

GOALS: every project will have an education component and signage

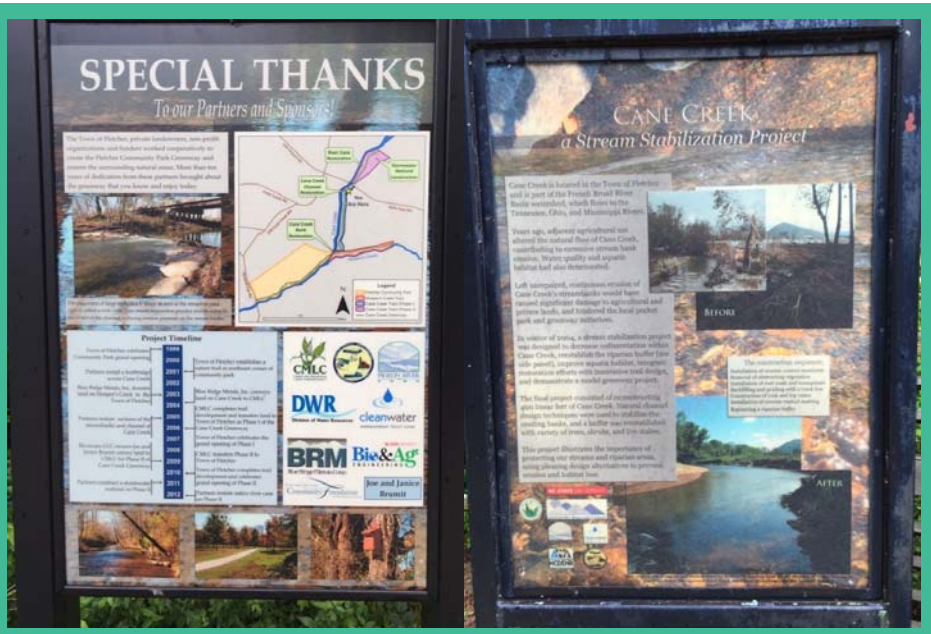
PLAN FOR SEASONAL COLOR
IMAGINE DISNEY FILMING AT THE SHORELINE

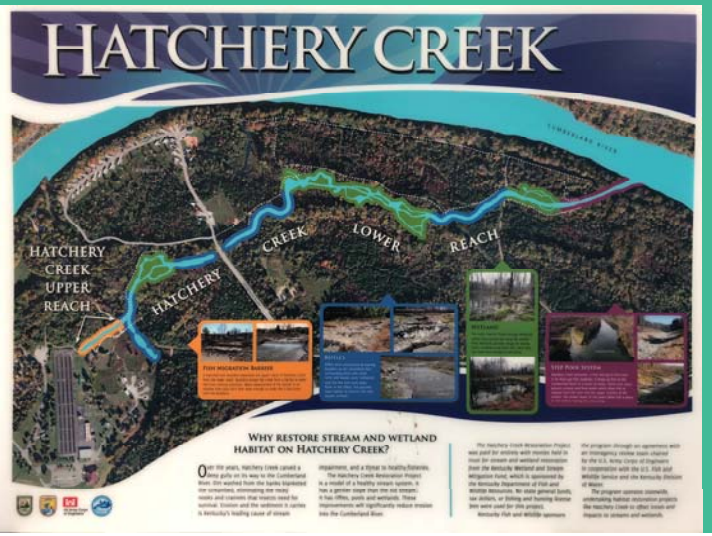


Credit: Clemson Extension

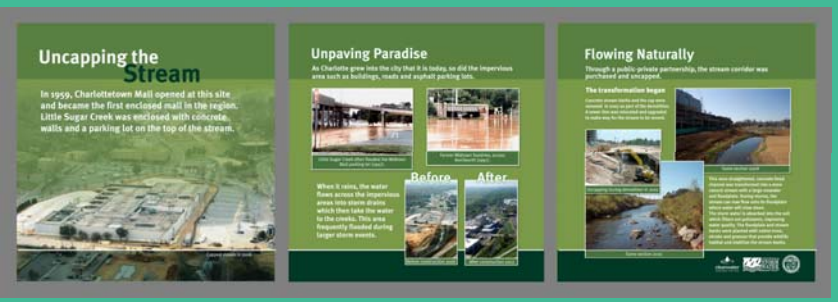
http://www.rootsfirst.com/creekside-urbanisim

SIGNAGE





All pics provided by friends



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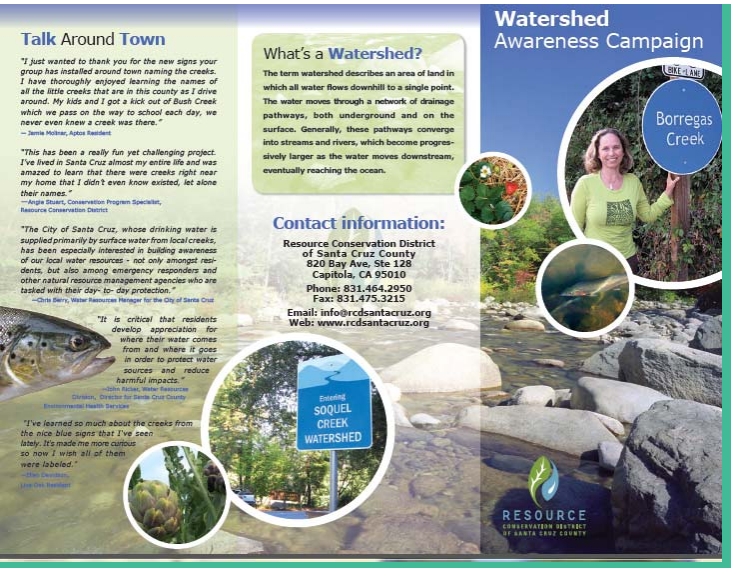

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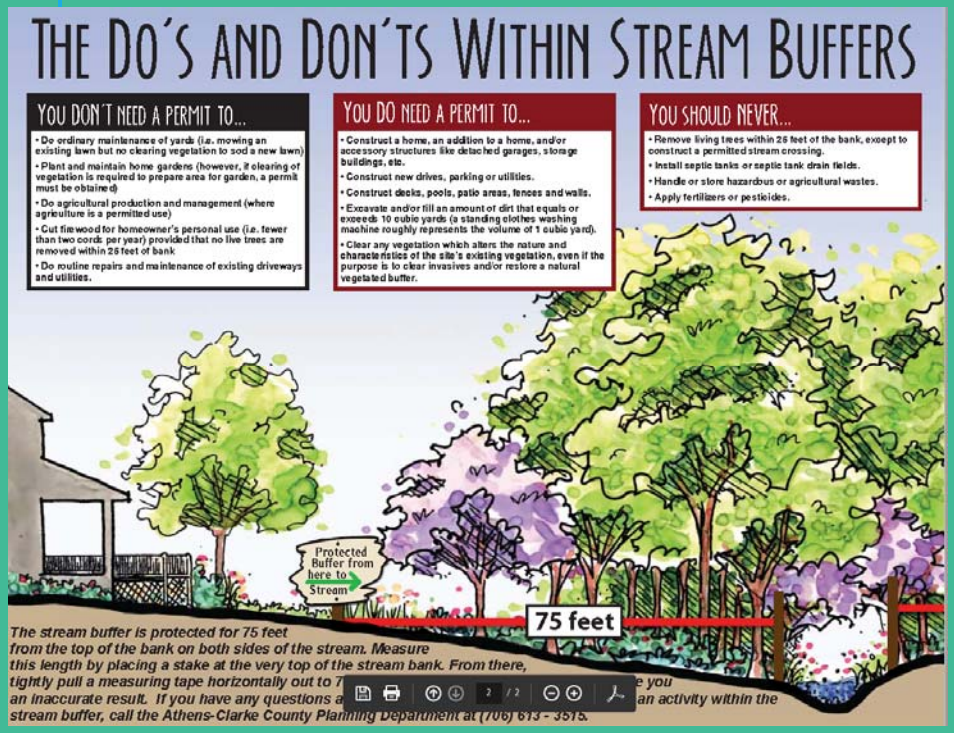
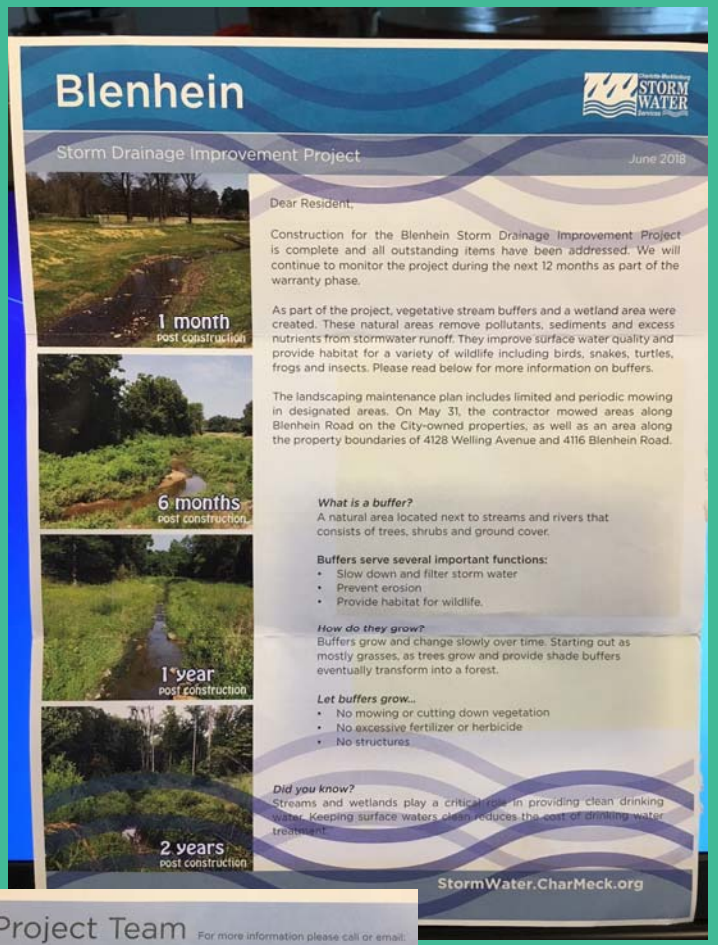
DON'T BE AFRAID TO USE EYE-CATCHING SIGNAGE

FACT SHEETS & BROCHURES



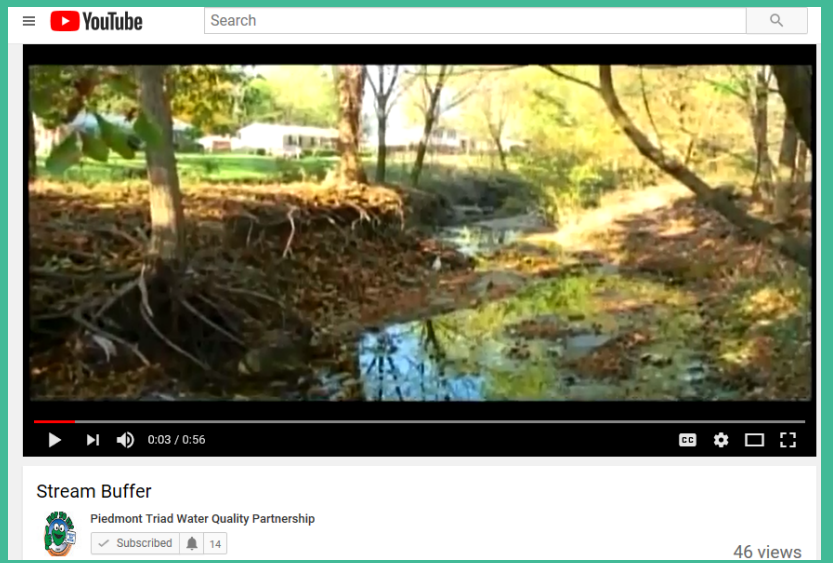
https://www.athensclarkecounty.com/3105/Stream-Buffers



ADVERTISING

STREET SWEEPERS
479 SWEEPING HOURS IS GREAT FOR EDUCATION BANNER

PIEDMONT TRIAD WATER QUALITY PARTNERSHIP
USED FOR TV, RADIO, FACEBOOK, TWITTER, YOUTUBE
ANNUAL THEME: LITTER 2017-2018
LENNY THE LIFEGUARD



OTHER IDEAS

- If Kville were more trashy… Zombie Trash Pickup (race to fill your bag). If it hits the street, it's in the creek!

- Geocaching!
  - Excellent example is Athens-Clarke County GA
  - https://www.athensclarkecounty.com/CivicSend/ViewMessage/message?id=23165

You might just find some prizes waiting for you inside our caches!
[Photo submitted by Geocacher WolfWife336]

WHEN WORKING WITH PUBLIC

Listen to people's needs/worries

Dispel myths (weeds = snakes)

Provide access to the water.

Limb up or thin shrubs. Don't use grasses often confused with weeds (sorry VA Wildrye, Gamagrass); use ones that change colors: Little Bluestem, Purple Lovegrass, Switchgrass

Discuss the plant with vision (plant in groupings, attract pollinators, seasonal color)

Hands on learning with small install projects (don't wear out volunteers! THANK THEM! Offer them food in return for volunteering.)
"Food is always an easy hook" –Eve Brantley, opening session!

Partner with other communities/engineering firms/nurseries/Cooperative Extension/Soil & Water Conservation Districts