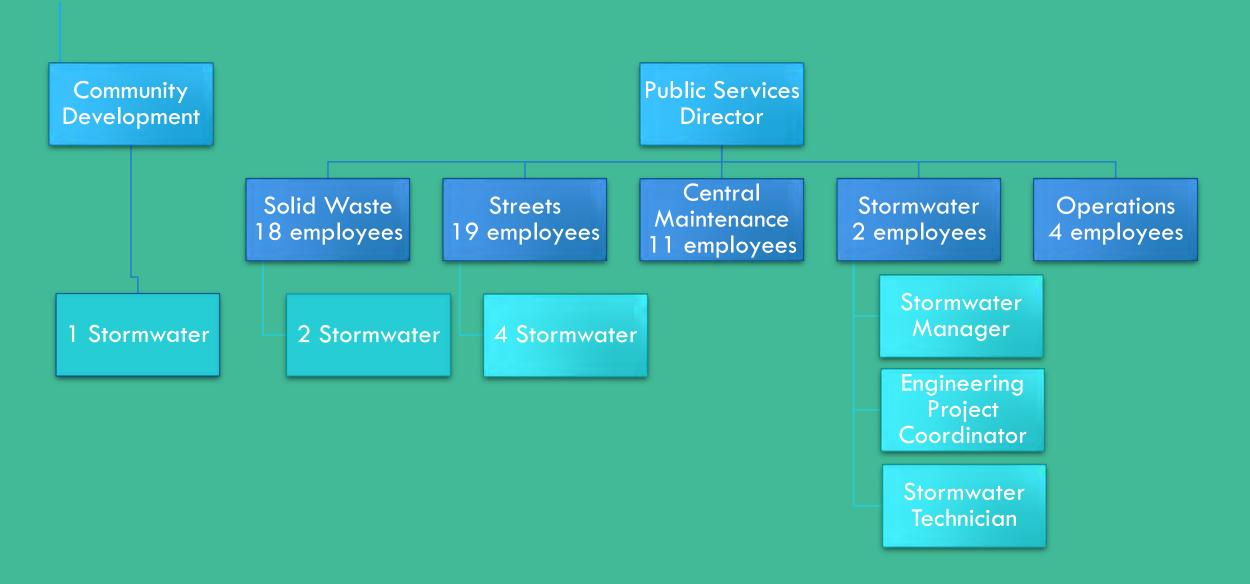
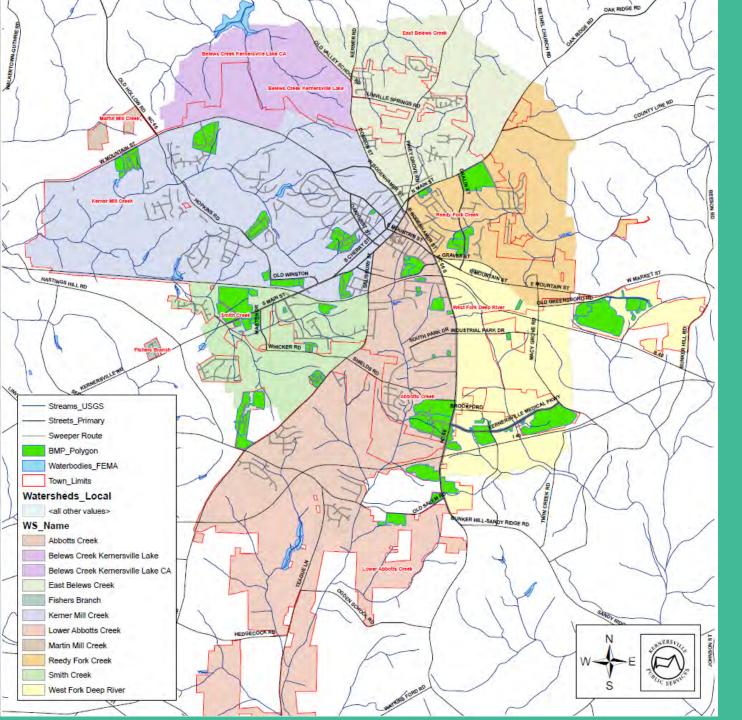


TOWN OF KERNERSVILLE STORMWATER

Wendi Hartup, stormwater manager

ORGANIZATIONAL CHART





WATERSHEDS WITHIN ETJ

JURISDICTION & ETJ: 25.07 SQ MI

BUDGET: 1.8 MILLION

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

PUBLIC EDUCATION

- Partnerships with
 - N.C. Cooperative Extension
 - NCSU BAE
 - Piedmont Triad Regional Council
 - https://www.stormwatersmart.org
 - Forsyth Creek Week Committee



FORSYTH CREEK WEEK

Backyard Stream Lecture



Reedy Fork cleanup = 2680lbs



Rain Garden class



Fly-tying demo



Greener Car Care at Public Yard

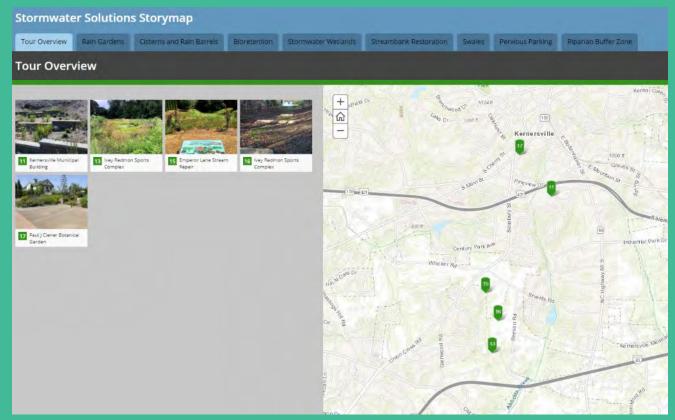


Planting Party at the Park





Wetland Walk



https://www.forsythcreekweek.org/stormwater-solutions-1



Oak Forest Rd - Shearforce and Linear Drinking Gardens 26 items - Shared



Buckhurst -ScourStop with sod and plugs (J. tenuis) 2 items - Shared



How to Harvest and Install Livestakes 31 items · Shared



Regents Park & Chesham -Shoremax and Wooden Weir 21 items - Shared



Regents Park Rd and Finborough Ct -ScourStop 6 items - Shared



USE STREAM SIMULATION TRAILER

CALEB'S CREEK KINDERGARTEN (100)
TOK PUBLIC SERVICES DAY







WE USE IT EVERYWHERE!







ADVERTISING

STREET SWEEPERS
479 SWEEPING HOURS IS GREAT FOR EDUCATION BANNER

PIEDMONT TRIAD WATER QUALITY PARTNERSHIP AND PIEDMONT TRIAD REGIONAL COUNCIL USED FOR TV, RADIO, FACEBOOK, TWITTER, YOUTUBE LENNY THE LIFEGUARD







PASSIVE EDUCATION WITH SIGNAGE...



UPPER WETLAND





LOWER WETLAND









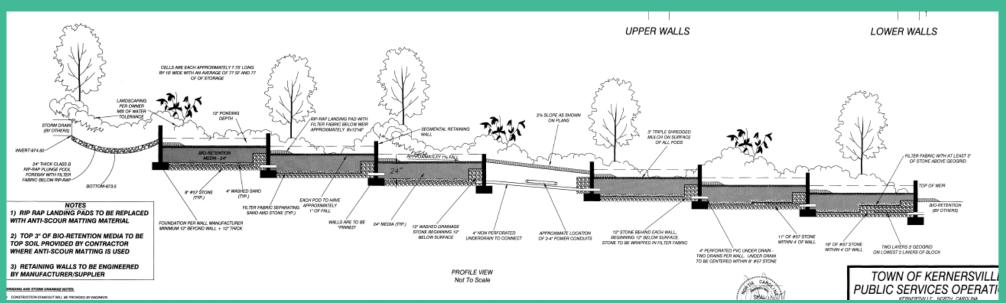


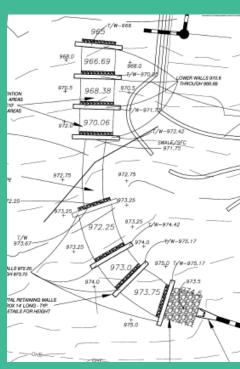
NCDEQ WATER RESOURCES DEVELOPMENT GRANT

https://deq.nc.gov/about/divisions/water-resources/water-resources-grants/financial-assistance

Use conversion of sediment pond to regulated BMP as match

Use Cooperative Extension rain garden workshop as match





SWALE — USED PYRAMAT AND STAFF WORKSHOP

- Rake and seed
- Mat with Pyramat and use duckbill anchors
- Cover with some soil and seed
- Cover mat with Excelsior matting and more seed
- Juncus effusus and Carex lurida = seed mix



1ST CELL NOT PLANTED — REVETMAX'S SHOREMAX

- Rake and seed
- Mat with Landlok TRM
- Seed
- Mat with ShoreMax and more seed





Juncus effusus and Carex lurida = seed mix

NC COOPERATIVE EXTENSION RAIN GARDEN WORKSHOP

DEAD SOD



POLY-FLO FILTER MEDIA



SOIL LIFT





BURLAP, CARDBOARD FRAME













The Town of Kemersville's elected officials were invited to tour the project during construction. Here is (R to L) Stormwater Manager Wendi Hartup, Aldermen Bruce Boyer, Mayor Dawn H. Morgan, Riley Lecka with North State Environmental, and Project Engineer Greg Jennings.



Greg and Wendi on a tour of the stream restoration with some members of the public.

Participants: How they helped the process

Town of Kernersville: Town-owned property. Support and approval from the Board of Alderman. As much work done by Public Services as possible. Assistance and cooperation with Parks and Recreation.

NC Land & Water Fund: Provided funding for the project

North State Environmental (N.S.E.): Stream restoration construction.

Jennings Environmental: Stream restoration design.

Withers Ravenel: Development of design-build contract

Freese and Nichols: Bank Erosion and Hazard Index (BEHI) reports. Volunteer monitoring program. Design-build contract assistance.

LDSI: Surveying contractor and workshop partner.

Forsyth Creek Week: The restoration is used foreducation during the week's events.

Cooperative Extension: Workshop partner.

NCSU BAE: Hosted construction workshops.























DURING COVID... PTRC —MASS MEDIA AND **ACTIVITIES**



WFMY CBS NEWS 2

Ine No	Daypart Program	Daypart Code	STN Gross	Dur	Wks 11/30	12/7
	TV MTuWThF 7:00p-8:00p JEOPARDY/WHEEL Now/2019LP (pav)	RT	\$245.00	15	0	1
	MTUNTHE 7:00p-8:00p JEOPARDYAVHEEL Now/2019LP (pav)	RT	\$375.00	30	0	1
	MTUIVTHFSaSu 11:00p- 11:35p LATE NEWS M-SU Now/2019LP (pav)	RT	\$195,00	15	Ó	1
	MTUIVTHFSaSu 11:00p- 11:35p LATE NEWS M-SU Nov/2019LP (pav)	RT	\$300.00	30	1	0
	Su 8,00a-9:00a GOOD MORNING WKND Novi2019LP (pav)	RT) SUN 8-9A	\$105.00	15	0	1
	Su 8:00a-9:00a GOOD MORNING WKNE Now/2019LP (pav)	RT) SUN 8-94	\$165.00	30	0	1
24-1	Su 8.00a-9:00a	RT	\$180.00	15	0	1
	Su 9:00a-10:30a CBS SUNDAY MORNING Nov/2019LP (pay)	RT	\$275.00	30	Ō	+

Animated Videos about litter and pet waste showed in 15second and 30-second spots, reaching approx. 21.5% of coverage area. The average viewer likely saw 3.7 Stormwater SMART ads on CBS in FY21.



CBS Fall 2020 = \$1,840/8 spots 302,000 Impressions



CBS Spring 2021 = \$2,495/15 spots 643,000 Impressions



FY21 MASS MEDIA SUMMARY ACTIVITY BY MEMBER COMMUNITY



MEMBER COMMUNITY TELEVISION AD

ONLINE AD

TWITTER PAID IMPRESSIONS PLACEMENT

FORSYTH*	232826.00	135123.00	573795	31340
GUILFORD*	284774.00	165271.00	512367	27985
RANDOLPH*	276116.00	160247.00	495893	27085
* Media totals are based	d on Unincorporated	aieas using 2018 po	pulation estimates	
ARCHDALE	86301.00	50085.00	163902	8952
BURLINGTON	219332.00	127292.00	388115	21199
CLEMMONS	82156.00	47680.00	155804	8510
GREENSBORO	733913.00	425934.00	1314285	71785
JAMESTOWN	73932.00	42907.00	140447	7671
KERNERSVILLE	108824.00	63157.00	206622	11286
MEBANE	88985.00	51643.00	168928	9227
RANDLEMAN	73525.00	42671.00	251297	13726
TRINITY	60694.00	35224.00	115318	6299
WINSTON-SALEM	621622.00	360766.00	1097611	59951





Reedy Fork is a vital water source that Flows through numerous communities in the Predmont Triad region of North Carolina. Stewards of the watershed need to know: How Ready Fork connects to other

waterways downstream Which pollutants affect its water quality
What a healthy riparian buffer looks
like, and how activities in these buffer zones are regulated and permitted

Area (sq miles)... Miles of Streams... 339

Dominant Land Use....Dvlpd Land Counties: Alamance, Forsyth, Guilford,



The Reedy Fark watershed is located in the heart of the Piedmant and Lake Brandt. It is also Triad and is a part of the Cape Fear River Basin. Reedy Fork begins in Kernersville, where it flows east towards Greensbore, continuing on into Alamanoe county. Along the way, it flows through Lake Townsend



and Lake Branet, it is also joined by tributaries such as Buffalo Creek, Richland Creek, and Moores Creek, before it eventually russ into the Haw River. The Haw River lafer transitions to the Cape Fear River, before ending a the Atlantic Ocean Also, the Cape Fear river is one of only 4 river basins to be contained entirely within the borders of the state. Reedy Fark acceptes land in 3 countles and numerous municipalities in the Triad The map to the left illustrate: the watershed area and the















July 22 - Sept 22, 2020

FIRST 2 PARTICIPANTS IN EACH REGION TO OBSERVE ALL 16 WIN A PRIZE!

ALAMANCE | DAVIDSON | FORSYTH | GUILFORD RANDOLPH | ROCKINGHAM | GREATER NC



→ ALL LIFE STAGES ACCEPTED! SEE REVERSE FOR MORE INFORMATION.

BELTED KINGFISHE

ORDINANCE CHANGES

Native plant incentives and look at spacing of bufferyards
Plant updates

Make new developments have stormwater easements as common area (no more question of who is responsible for a private drainage easement)

-have a list of don't do this in an easement



SINK HOLE MODEL

Material	Cost		
Caulk	\$6.38		
2-in PVC T	\$2.18		
2-in PVC Cleanout Cap	\$1.08		
2-in PVC Drain w/ Grate	\$5.38		
2-in PVC 90 Deg Elbow	\$3.58		
2-in PVC 3-ft length.	Had on hand.		
6-in PVC 4-ft length.	Had on hand.		
6-in PVC Coupler x2.	Had on hand.		
PVC Cement.	Had on hand.		
32-Quart Tote w/ Lid	\$10.78		
16-lbs Ground Walnut Shell Media 12-20 Grit x2	\$39.95x2= \$79.90		
Pool Skimmer Basket Pre-filter.	\$5.33		
TOTAL	\$114.61		

