



**Regional Stormwater Management
Coordinating Council**

May 10, 2023

Welcome and Introductions

- Meeting Summary
 - February 8, 2023, [draft meeting summary](#)
 - Vote on summary

Presentation

Don't Feed the Goat – A Public-Private Partnership to Combat Floatable Litter.

Heather Firn, Watershed Scientist III, Trinity River Authority of Texas and Nixalis Benitez, Environmental Supervisor, Environmental Quality Division, Code Compliance Department, City of Fort Worth

Don't Feed the Goat - A Public-Private Partnership to Combat Floatable Litter

May 2023

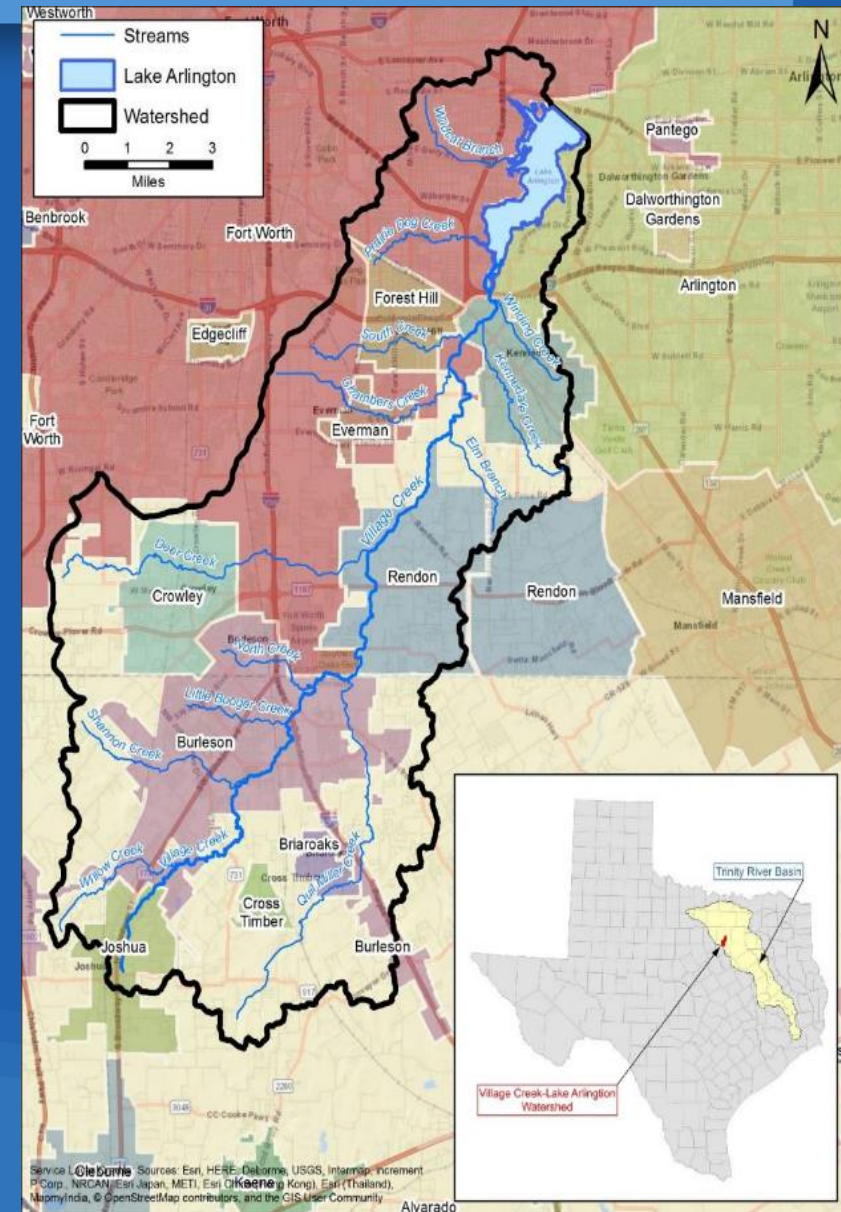


Trinity River Authority of Texas
Enriching the Trinity basin as a resource for Texans



The VCLA Watershed

- Lake Arlington
 - Drinking water
 - Recreation
 - Rapidly developing
 - Multiple municipalities, local authorities
 - Listed for nutrient concerns (nitrates, chlorophyll-a)
- Village Creek
 - 303(d) list for *E. coli* impairment
 - Additional entities involved



Illegal Dumping/Litter Accumulation



- *Top Left: Floatable litter accumulation in Lake Arlington (credit: City of Arlington).*
- *Top Right: Illegal dumping activity on Village Creek.*
- *Below: Homeless occupation is a significant source of refuse accumulation under bridges in several watershed locations.*



Installing Trash Barriers in VCLA and Fort Worth Parks







Litter and Grounds Clean-Up



KEEPING OUR COMMUNITY CLEAN

UpSpire Litter Abatement works with the City of Fort Worth, local businesses, and public improvement districts to keep our city streets, parks, and waterways clean. Our crews work diligently to not only remediate citizen complaints, but work proactively in pursuit of Fort Worth's goal to become the cleanest city in Texas.

Our three crews contracted with the City of Fort Worth Code Compliance: Solid Waste Service Department have realized a 264% increase in citywide miles cleaned since the start of the contract in 2018.

Prior to UpSpire's start, 94 miles on average were being abated per month compared to our current average of 342 miles/month.



1,308

1,308 curb miles are cleaned of trash per month.

That's the distance from Dallas to New York City



70.9

70.9 tons of trash removed per month.

It's about as heavy as a NASA space shuttle



3.2

Donor-Sponsored Crew: Five employees removed 3.2 tons of trash from Fort Worth waterways.





Five Star and Urban Waters Restoration Program

NFWF CONTACTS

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Zack Bernstein

Program Coordinator
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PARTNERS

- U.S. Environmental Protection Agency
- U.S. Forest Service
- U.S. Fish and Wildlife Service
- BNSF Railway
- FedEx
- Southern Company

To learn more, go to
www.nfwf.org/fivestar

ABOUT NFWF

Chartered by Congress in 1984, the National Fish and Wildlife Foundation (NFWF) protects and restores the nation's fish, wildlife, plants and habitats. Working with federal, corporate and individual partners, NFWF has funded more than 5,000 organizations and generated a total conservation impact of \$6.1 billion.

Learn more at www.nfwf.org

NATIONAL HEADQUARTERS

1133 15th Street, NW
Suite 1000
Washington, D.C., 20005
202-857-0166



Volunteers plant trees in Los Angeles, CA | credit: Los Angeles Audubon Society

Installing Trash Barriers in Village Creek Lake Arlington Watershed and Fort Worth Parks (TX)

Grantee: Trinity River Authority of Texas

Grant Amount: \$39,600

Matching Funds: \$87,000

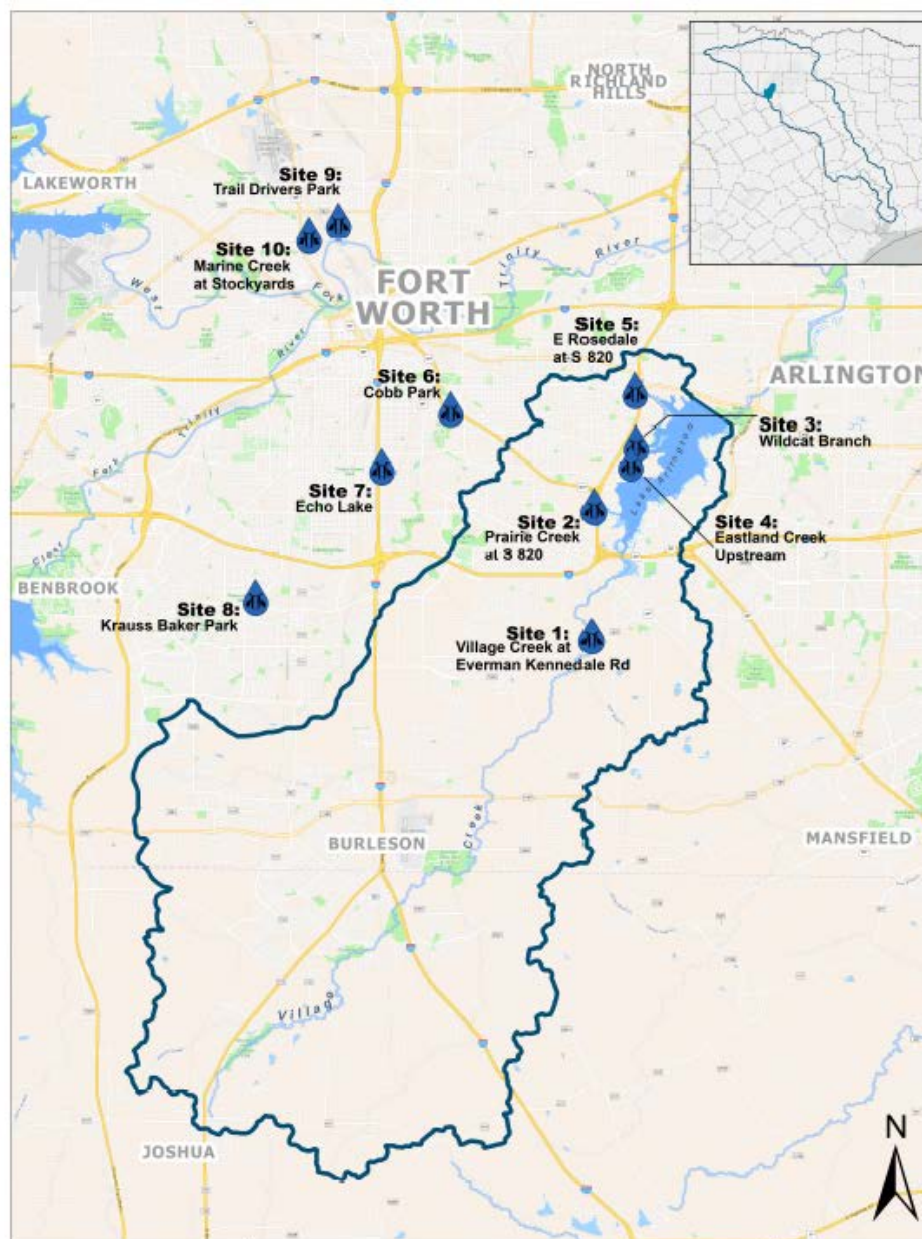
Total Project Amount: \$126,600

Purchase, install, and maintain multiple trash barriers at highly visible and heavily littered locations within Village Creek Lake Arlington (VCLA) Watershed, and the City of Fort Worth Parks. Project will aid in the expansion of the UpSpire Waterways litter prevention program as well as increase community engagement in addressing root causes of litter by restoring 21,128 acres of VCLA watershed and 807 acres within the City of Fort Worth through removal of up to 1,332 lbs of trash per month.

OVERVIEW

The National Fish and Wildlife Foundation (NFWF) is pleased to announce the 2021 Five Star and Urban Waters grant recipients. Major funding is provided by the U.S. Environmental Protection Agency, the U.S. Forest Service, the U.S. Fish and Wildlife Service, FedEx, Southern Company and BNSF Railway. The goal of this grant program is to develop community capacity to sustain local natural resources for future generations by providing modest financial assistance to diverse local partnerships for wetland, forest, riparian and coastal habitat restoration, as well as stormwater management, outreach and stewardship with a focus on water quality, watersheds and the habitats they support. 43 projects totaling over \$1.8 million were awarded, generating over \$4.1 million in matching contributions from grantees, and providing a total impact of over \$5.9 million.

(continued)



Watergoat Locations

0 0.55 1.1 2.2 3.3 4.4 Miles

This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent any on-the-ground survey and represents only the approximate location of property boundaries.

Watergoat Village Creek Lake Arlington Watershed tra

Description content for the survey

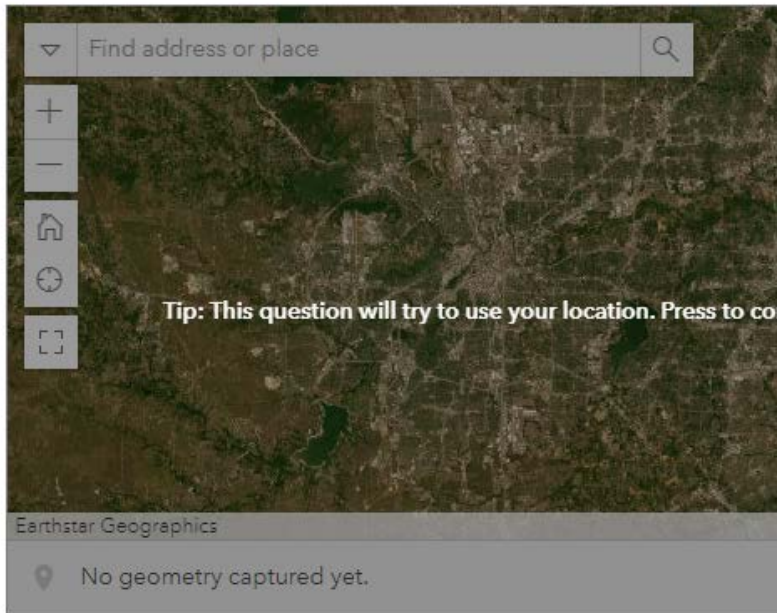
Site Name*

Select Site from drop down list

-Please select-

Location*

Use device location (GPS), enter an address or click on map to record inci



Date & Time of Survey

Litter Type

Litter Type

Signs of Active Erosion

Homeless Occupation

Estimated Flow Discharge (EFD)

Litter Origin (LO)

Litter Quantity (LQ)

Habitual Dumping

Habitual dumping suspected

Yes No

Notes

1000

Photos

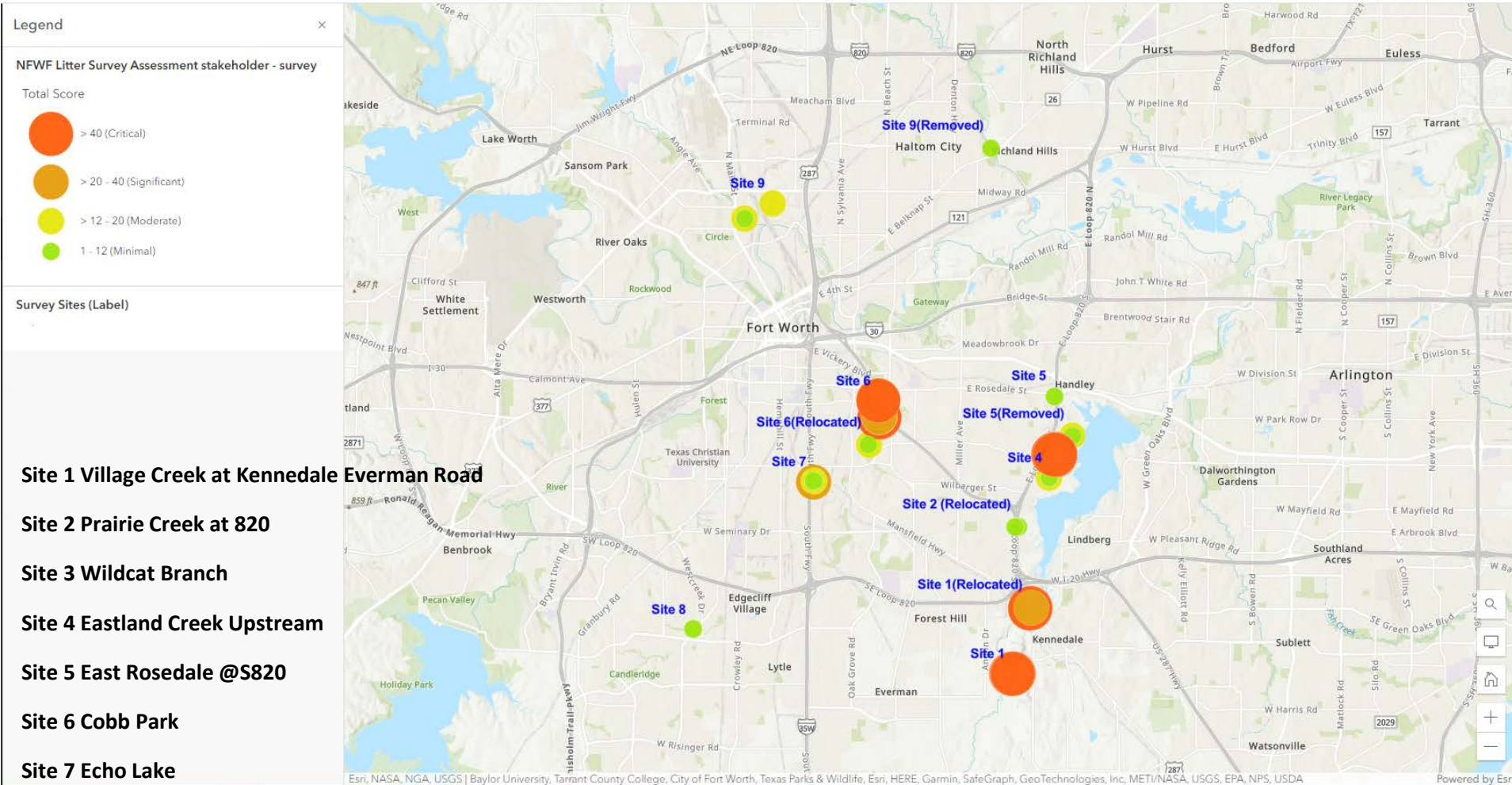


Litter Survey



NFWF Litter Survey Assessment Site WebMap

Open in Map Viewer



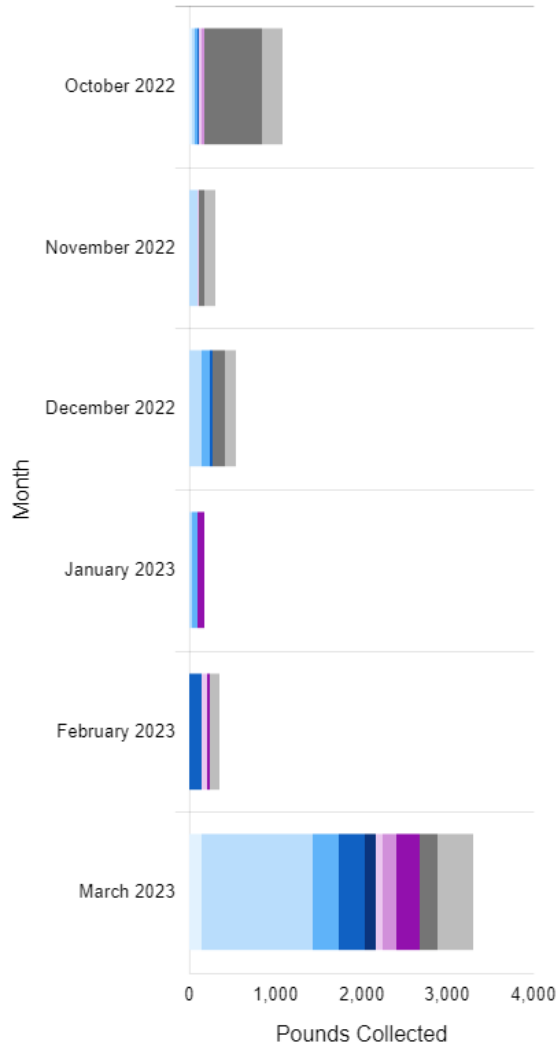
Site 8 Krauss Baker Park

Site 9 Trail Drivers Park

Site 10 Marine Creek at Stockyards

Trinity River Authority Watergoats

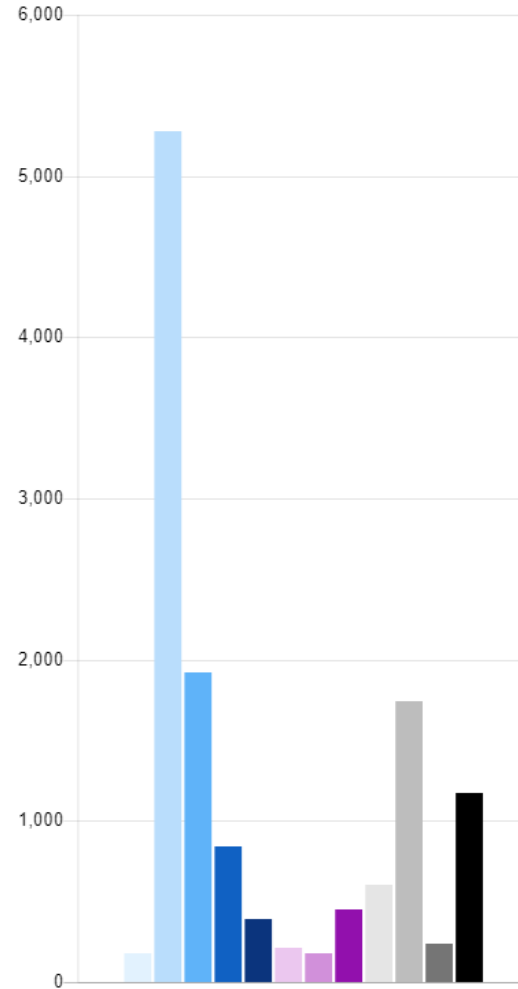
Weight Collected by Month (lbs)



Monthly Summary

Total	3,300
Prairie Creek	150
Wildcat Branch	1,290
Echo Lake	300
Krauss Baker	300
Marine Creek	120
Trail Drivers Park	90
Village Creek	150
Sycamore Creek	270
Eastland Creek (Former Site)	210
Cobb Park (Former Site)	420

Weight Collected Life-to-Date (lbs)



Totals

Grand Total	13,200
Prairie Creek	180
Wildcat Branch	5,280
Echo Lake	1,920
Krauss Baker	840
Marine Creek	390
Trail Drivers Park	210
Village Creek	180
Sycamore Creek	450
Village Creek (Former Site)	600
Eastland Creek (Former Site)	1,740
Eugene McCray (Former Site)	240
Cobb Park (Former Site)	1,170

Results through 04/21/23

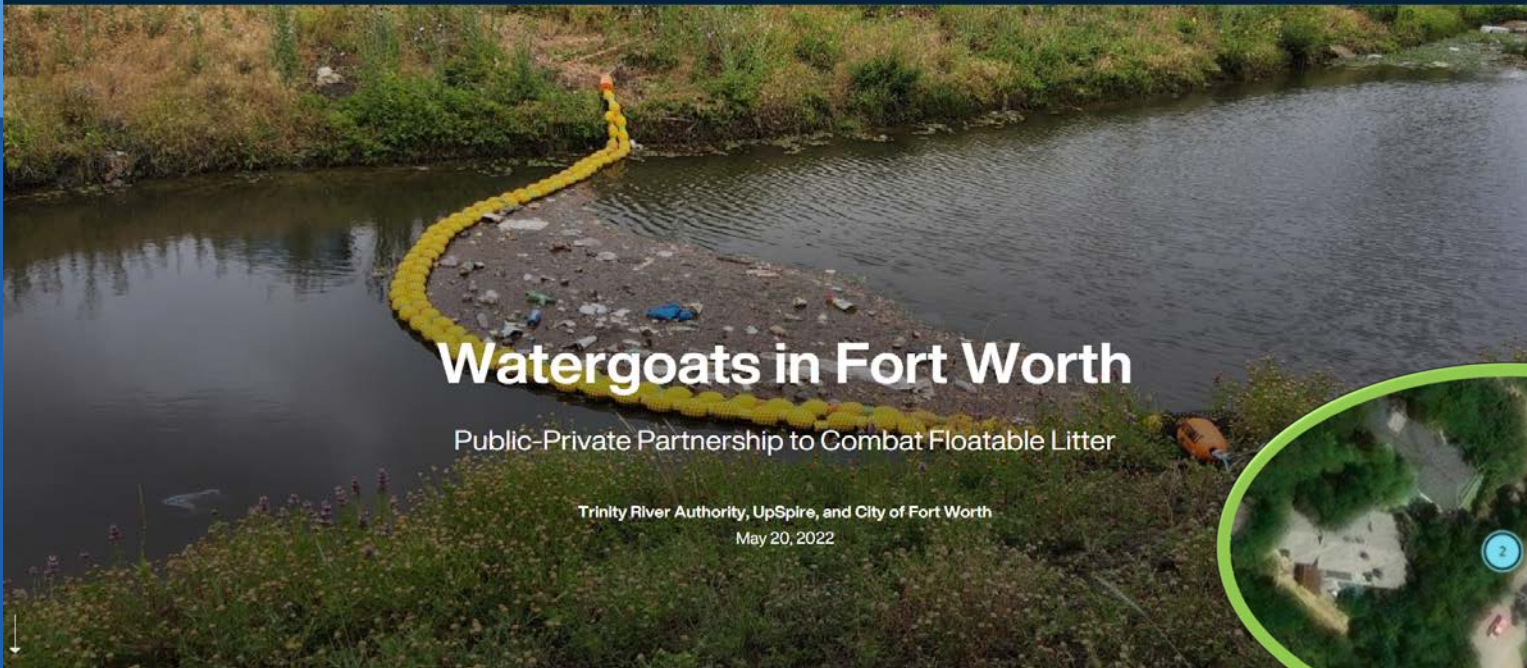
Note: Weights estimated at an average 30 lbs per bag

Note: Weights estimated at an average 30 lbs per bag

Public Private Partnership

- [Watergoats Story Map](#)





Watergoats in Fort Worth

Public-Private Partnership to Combat Floatable Litter

Trinity River Authority, UpSpire, and City of Fort Worth

May 20, 2022



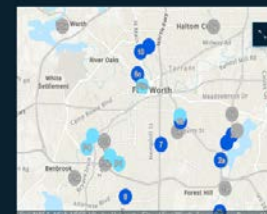
Our Story

Many streams in the City of Fort Worth are impacted by litter. To address this issue, Trinity River Authority, UpSpire, and the City of Fort Worth have collaborated to install watergoat litter traps in sixteen locations. Six were installed as a pilot program by UpSpire in January 2022, and the remaining ten were installed by Trinity River Authority in May 2022.

Watergoat Locations

Trinity River Authority Watergoats

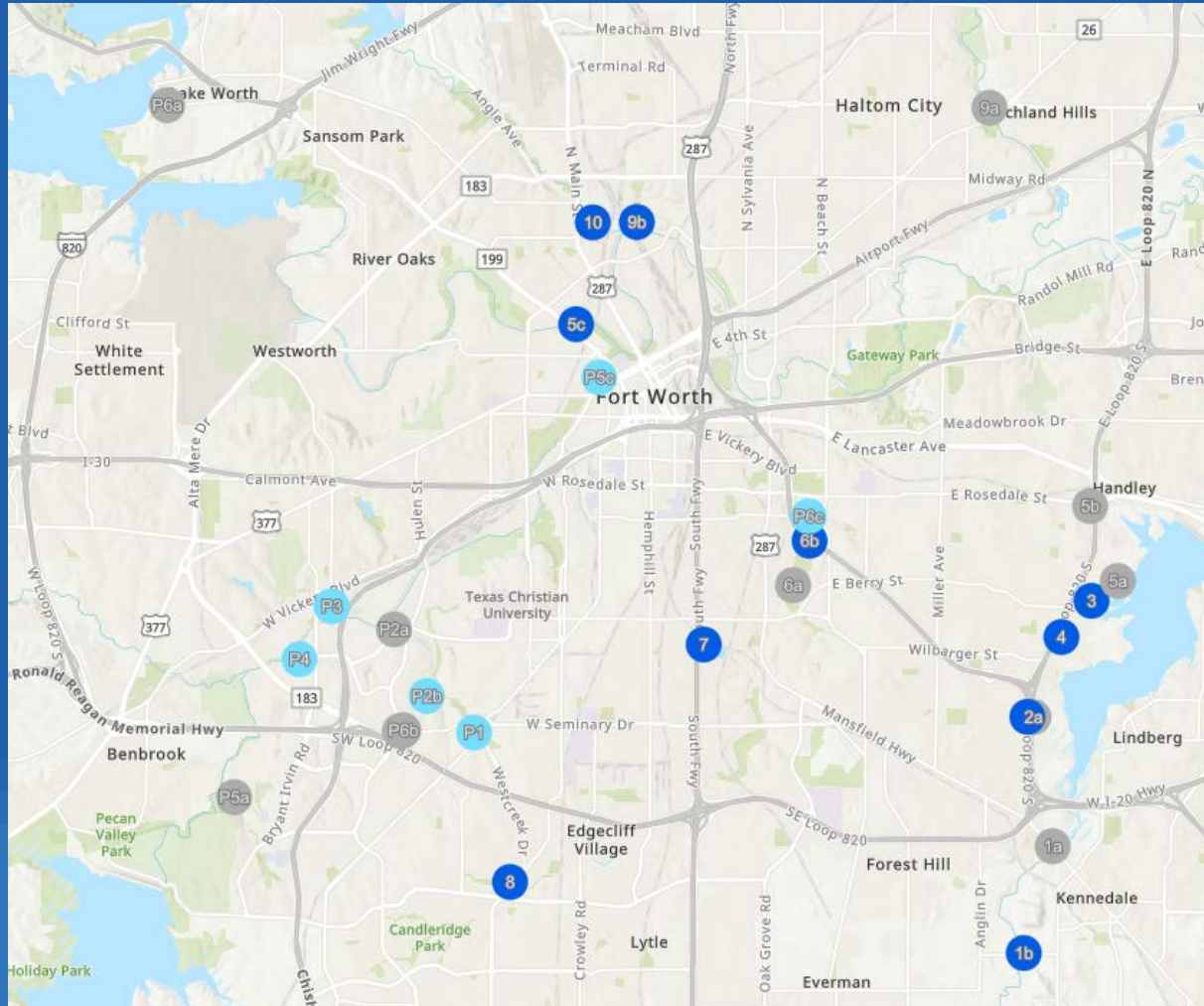
- Village Creek at Kennedale Parkway
- Prairie Creek at I-820
- Wildcat Branch
- Eastland Creek
- Eugene McCray Park
- Cobb Park
- Echo Lake
- Krauss Baker Park
- Big Fossil Creek at Broadway [Removed June 2022]
- Marine Creek at Stockyards



Location 9, Big Fossil Creek at Broadway was removed in June 2022 after being damaged by vandalism.

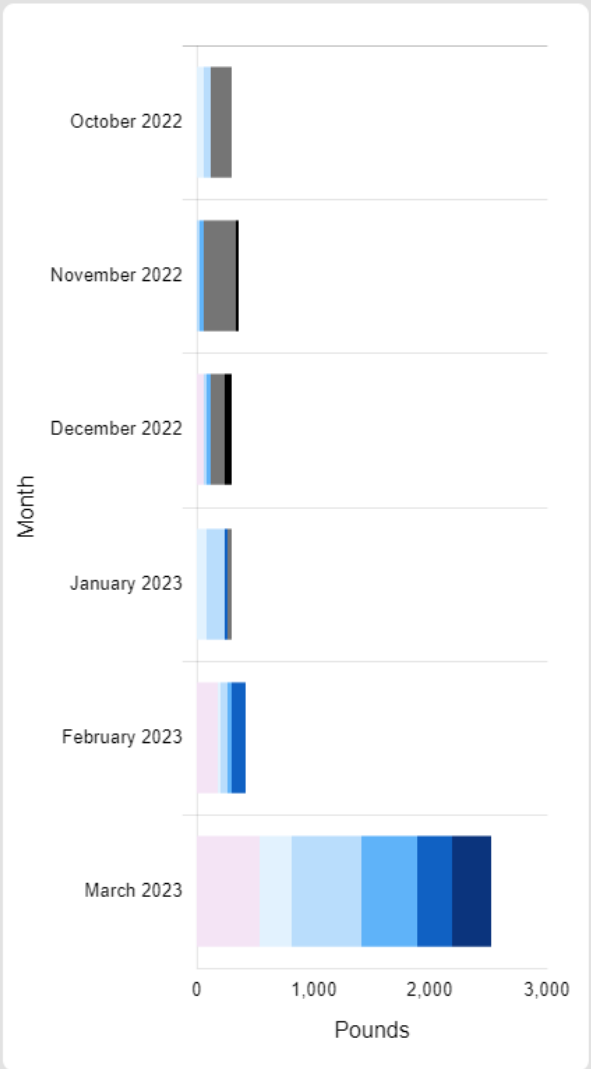


Fort Worth Watergoats (P)



Pilot Program Watergoats

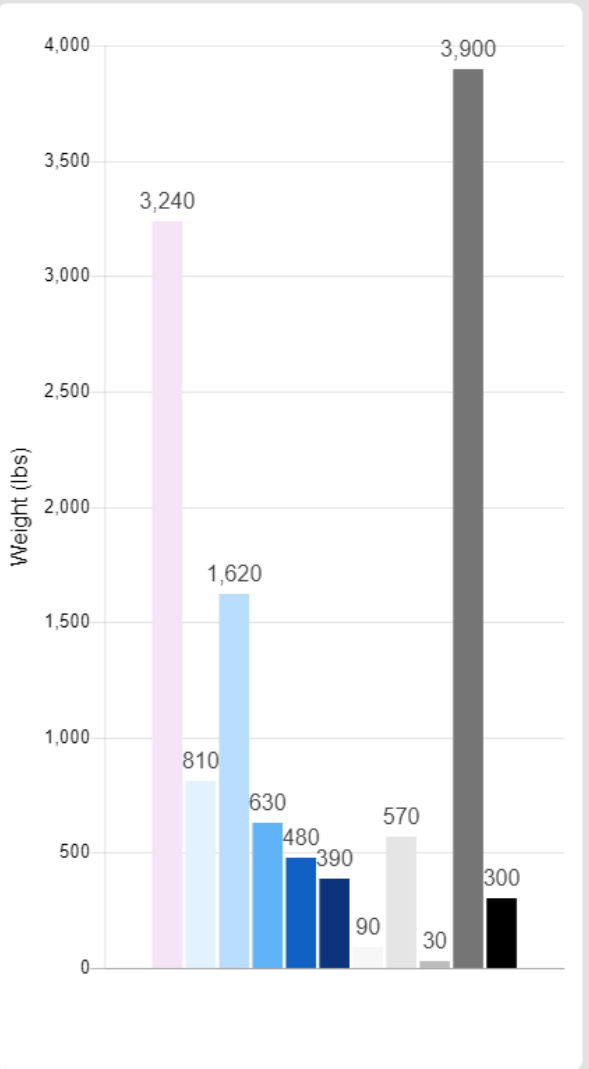
Weight Collected by Month (lbs)



Monthly Summary	
Pilot Total	2,520
Watercourse	540
Edwards Ranch	270
Foster Park	600
Sarita Park	480
Purcey Outfall	300
Trinity River	330

Note: Weights estimated at an average 30 lbs per bag

Weight Collected Life-to-Date (lbs)



Totals	
Pilot Total	12,060
Watercourse	3,240
Edwards Ranch	810
Foster Park	1,620
Sarita Park	630
Purcey Outfall	480
Trinity River	390
Oakmont Park (Former Site)	90
Foster Creek (Former Site)	570
Malaga Park (Former Site)	30
Willow Lake 1 (Former Site)	3,900
Willow Lake 2 (Former Site)	300

Note: Weights estimated at an average 30 lbs per bag

ENVIRONMENTAL

A simple device has removed 6,000-plus pounds of trash from Fort Worth waterways this year. Here's how

by Haley Samsel
July 26, 2022



UpSpire crew members install a watergoat, or litter trap, at a Fort Worth park earlier this year. In January, UpSpire installed six watergoats to help clean waterways. The Trinity River Authority has since installed 10 more in the Lake Arlington-Village Creek watershed. (Courtesy image | City of Fort Worth)



The watergoats program was formed as part of the Village Creek-Lake Arlington Watershed Protection plan to remove unwanted litter and restore the water quality in Lake Arlington and Village Creek. The initiative was approved by the U.S. Environmental Protection Agency in 2019.

TRA and UpSpire (Presbyterian Night Shelter subsidiary), in collaboration with the UTA Office of Sustainability, Tarrant Regional Water District, and the Dorris Family Foundation were awarded a National Fish and Wildlife Foundation grant to fund litter removal efforts. In May 2022, the Trinity River Authority purchased and installed 10 watergoats in the Village Creek-Lake Arlington watershed.

HELP US KEEP OUR WATERWAYS CLEAN!

By participating in litter cleanups, you can play an active role in protecting our environment. Sign up with your UTA Office of Sustainability Mavs Go Green Team.

HOW DOES TRASH END UP IN WATER?

Trash ends up in waterways through illegal dumping. Rain and wind can also carry debris into rivers and streams through drains.

WHAT IS A WATERGOAT?

A floating boom device that creates a barrier preventing trash from clogging creeks, ponds, stormwater outfalls and other bodies of water.

See where the watergoats are located

SCAN ME! 

10

Watergoats

120

One watergoat can capture 120 lbs. of trash per month.

9150

Pounds of trash collected from May 2022 to Dec. 2022

PARTNERS





EVENT
 RIVER CLEANUP
 AND THE
 BOATS
 nd, 2023
 0 PM
 McCray Park
 ad
 76119



Trash ends up in waterways through illegal dumping. Wind can also carry debris into rivers and streams.

WHAT IS A WATERGO

A floating boom device that creates a barrier preventing debris from clogging creeks, ponds, storm water outfalls, and other bodies of water.



HELP US KEEP WATERWAYS



Installation



Installation



Signage Installation



Successes – May 25th, 2022



Successes – January 27th, 2023



Challenges



Challenges



Challenges



Challenges



Challenges & Lessons Learned

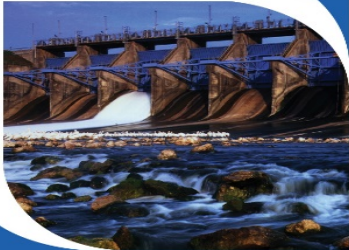
- Length of watergoat
- High flow and low flow
- Gabion wall installation
- Woody debris is not our friend
- Locations in visible areas have received good responses
- Doesn't impede kayak traffic
- Litter abatement devices preference



Questions?

https://trinityra.org/basin_planning/village_creek-lake_arlington_wpp/index.php

Heather Firm
Trinity River Authority
firmha@trinityra.org
817-467-4343



NATIONAL FISH AND WILDLIFE FOUNDATION **NFWF** **TEXAS COMMISSION ON ENVIRONMENTAL QUALITY** **FORT WORTH**

EPA United States Environmental Protection Agency **trwd** Tarrant Regional Water District

UNIVERSITY OF TEXAS ARLINGTON OFFICE OF SUSTAINABILITY **UPSPIRE** UPLIFTING PEOPLE | INSPIRED WORKFORCE

Village Creek Lake Arlington WATERSHED PROTECTION

88th Texas Legislative Session Update

- Full legislative tracker available [online](#)

Bill	Author	Topic	Status	Comments
HB 435	Rep. Ray Lopez	Pollution and Littering/Inundation	Referred to Natural Resources on 2/23/2023	Proposes an amendment to Sec. 11.090 of the Water Code on Pollution and Littering to add language spelling out the violation of improvements on land adjacent to a body of water subject to inundation.
HB 766	Rep. Allen	Permit application Accessibility	Held public hearing on 5/4/2023	Amends Section 5.554 of the Water Code to relating to the location of public meetings to add that they shall be held in the house district in which the facility or proposed facility is located or proposed to be located.
HB 1360	Rep. Morales Shaw	Permit application Accessibility	Referred to Environmental Regulation on 3/03/2023	Amends SECTION 1. Subchapter M, Chapter 5, of the Water Code relating to a required online posting of certain environmental and water use permit applications after determined to be administratively complete.

FY2023 Work Program General Activities

- Upcoming Watershed Elections – East and West Forks each have one person up for reappointment; Mainstem has 1 person up for reappointment and 1 vacant seat (election to fill remaining year on existing 3-year term); NCTCOG staff will send out emails regarding reappointment and election information to those members in each watershed; Elm Fork representative term currently filled by the Chair and is automatically renewed.
- Staff will send out reappointment emails and calls for nominations for each watershed, as listed.
- Upcoming Officer Election – the Chair and Vice Chair alternate between Phase 1 and Phase 2 cities. Current Vice Chair moves automatically to Chair; **nominees for Vice Chair must be from a Phase 2 city.**

Cost Share Program Subcommittee

- NCTCOG Staff working to prepare background detail and history, how we got to the formula and previous discussions on potential increase to the cost-share amounts
- Subcommittee to begin meeting soon – original subcommittee start unexpectedly delayed
- Please contact Stormwater staff, stormwater@nctcog.org, if interested in joining

FY23 Cost Shares Received as of May 5

Addison	Denton	Keller	Sherman
Allen	Duncanville	Kennedale	University Park
Arlington	Farmers Branch	Lancaster	Watauga
Azle	Flower Mound	Lewisville	Weatherford
Bedford	Forest Hill	Mansfield	White Settlement
Benbrook	Forney	McKinney	Wylie
Burleson	Fort Worth	Mesquite	Collin County
Carrollton	Frisco	Murphy	Denton County
Celina	Garland	N Richland Hills	Ellis County
Cleburne	Grand Prairie	Princeton	Johnson County
Colleyville	Grapevine	Prosper	Tarrant County
Coppell	Heath	Richardson	DART
Corinth	Highland Park	Roanoke	DFW Airport
Crowley	Hurst	Rockwall	NTTA
Dallas	Irving	Sachse	

We are currently 86.9% funded

FY2023 Work Program Subcommittees

Public Education Task Force



2023 Doo the Right Thing Campaign

- Doo the Right Thing social media photo contest and campaign
 - [Digital form](#) for pledge and photo contest entry
 - Contest Entry: May 1st through June 30th
 - Voting: August 7th – August 25th
 - Winners: Posted October 2023 – September 2024
- Past Social Media toolkits are on the Public Education Task Force [program page](#)
- Check out the Doo the Right Thing [program page](#) and follow our social media profiles!
 - Twitter @DooNorthTexas
 - Instagram @DooNorthTexas
 - Facebook @DooNorthTexas



FY2023 Work Program Subcommittees

Public Education Task Force



NORTH TEXAS COMMUNITY CLEANUP CHALLENGE

2023 North Texas Community Cleanup Challenge / Mayors' Challenge

- 2023 North Texas Community Cleanup Challenge
 - Challenge timeframe: March 1st – May 31st, 2023
 - Registered communities as of the deadline: Burleson, Garland, Rosser Village, Carrollton, Grand Prairie, Frisco, Dallas, Mansfield, Mesquite, Ennis, Princeton, Richardson, Plano
 - Mayor's Challenge proclamations received from: Burleson, Mansfield, Grand Prairie
- [Updated FAQ's](#) on the [program information page](#) address question about Mayors' Challenge and qualifying events or activities.
- Questions? Please contact Stormwater staff, stormwater@nctcog.org. Visit the website, www.communitycleanupchallenge.com, or [program page](#) to learn more.

FY2023 Work Program Subcommittees

Public Education Task Force

FY22/23 Special Project

- Staff incorporating feedback into updated draft materials
 - Draft – Video Script “[Why Stormwater is Important](#)”
 - Draft – Storyboard “[What to Look for Around Town](#)”
 - Draft – [Video Vocabulary Bank](#)
 - Draft – [Teacher Resources List](#)
- At their April meeting, the PETF chose to continue working on these videos as their next Special Project, and there were several volunteers to assist with the next round of drafts.



FY2023 Work Program Subcommittees

Pollution Prevention (P2) Roundtable

- **Upcoming Meeting:**
 - June 7, 2021, at 9:30 AM – NCTCOG Offices
 - Member Spotlight Presentation: **OPEN!**
- **FY23 Special Project:** Template reminder messages for pollution prevention/good housekeeping facility supervisors, staff, and operations staff.
 - Staff to present draft messages and corresponding visuals at their next meeting
- **Program Information:**
 - P2 Roundtable [subcommittee page](#)
 - P2 Roundtable [program page](#)

FY2023 Work Program Subcommittees

Illicit Discharge Detection & Elimination Roundtable

- FY23 Dry Weather Screening Training is scheduled for June 16th at the City of Irving. Registration will be available soon.
- The Illicit Discharge Detection & Elimination (IDDE) Roundtable is scheduled to meet on **July 13, 2023**, in person at NCTCOG offices.
- Topics for the meeting include:
 - Future training workshops
 - Dry Weather Screening
 - Industrial Inspector
 - Project Deliverables
 - Resource on Manure Management BMPs
 - Resource on Construction General Permit Updates

FY2023 Work Program Subcommittees

Stormwater Monitoring Program

- NCTCOG staff is preparing draft proposal for feedback from Monitoring Partners.
- NCTCOG Staff is also developing the RFP for procurement of consultant services for the next permit term.
- The currently approved schedule includes continuing monitoring activities in calendar year 2024.

FY2024 Proposed Work Program

- [FY24 Annual Work Plan draft](#) presented for review. Document linked in presentation, available on the back counter, and posted on the Council's webpage.
- Final vote on the document will be in August. Elected Watershed Representatives and Phase 1 Representatives will vote at the meeting.
- Please send all questions, suggestions, and comments to Staff.
- Staff will send out a revised version before the August meeting.

A close-up photograph of water dripping from a metal surface, likely a gutter or roof edge. The water is captured in mid-air, creating a series of droplets and streams. The background is a soft, out-of-focus green, suggesting foliage. The overall tone is natural and clean.

Other NCTCOG Program Updates

NCTCOG PROGRAMS

Other Environment / Development Programs



Integrated Stormwater Management (iSWM)

- FY23 Work Program Tasks are available [online](#).
- The iSWM Subcommittee is finalizing the Work Program for FY24.
- The next subcommittee meeting will be held July 12, 2023, via Microsoft Teams. More information available [online](#).
- For any questions, please contact Casey Cannon at ccannon@nctcog.org or (817) 608-2323.

NCTCOG Programs

Other Environment / Development Programs



TMDL - Water Quality

- Resources Under Finalization:
 - OSSF (On-Site Sewage Facility or Septic System) postcards for residents
 - Doo the Right Thing/Pet Waste educational explainer video
- Projects Under Development:
 - OSSF (On-Site Sewage Facility or Septic System) brochure
- Upcoming TMDL Meetings:
 - Annual TMDL Coordination Committee: June 14, 2023 at 9:30 AM via Microsoft Teams
 - Joint TMDL Stormwater & Wastewater Technical Subcommittee: August 1, 2023 at 9:30 AM via Microsoft Teams
 - Upper Trinity River Basin Coordinating Committee: August 22, 2023 at 9:30 AM, NCTCOG Offices
- TMDL Point of Contact: Hannah Allen at hallen@nctcog.org
- More information at www.nctcog.org/TMDL

NCTCOG Programs

Other Environment / Development Programs



Wastewater & Treatment Education Roundtable

- Save the Date! 10th Annual 2023 Holiday Grease Roundup: November 13, 2023 – January 12, 2024
- Spanish videos now available:
 - [FOGs: Los Aceites y Las Grasas](#) (Fats, Oils, and Grease)
 - [Las Toallitas Lo Obstruyen Todo](#) (Wipes Block Everything)
- Upcoming Meeting: July 20, 2023 at 10:00 AM, NCTCOG Offices
 - Special Presentation: FOG Collection Containers and Cages Best Practices Panel
- WATER Point of Contact: Hannah Allen, hallen@nctcog.org

NCTCOG Programs

Other Environment / Development Programs



Trash Free Waters

- Add your litter cleanup sites to the [Trash Free Texas Adopt-A-Spot Map](#) to help communicate to your volunteers.
 - Contact Elena Berg, eberg@nctcog.org for assistance.
- The [Trash Free Texas Restaurant Program Toolkit](#) is now online.
 - Contains resources and strategies that help communities and restaurants work together to encourage customers to reduce the use of plastic straws and utensils.



Graphic from the Trash Free Texas Restaurant Program Toolkit.



A close-up photograph of water dripping from a metal surface, likely a roof or gutter. The water is captured in mid-air, creating a series of droplets and streams. The background is a soft, out-of-focus green, suggesting a natural setting. A blue rectangular banner is overlaid on the bottom half of the image, containing the text "News and Resources" in white serif font.

News and Resources

Upcoming Events

- [TCEQ Environmental Trade Fair & Conference](#), Austin, May 16-17
- [Keep Texas Beautiful Conference](#), Houston, June 26-28
- [International Low Impact Development Conference](#), Oklahoma City,
August 6-9, 2023
- [StormCon](#), Dallas, August 29-31, 2023

Future Agenda Items



Roundtable Discussion

Now It's Your Turn!



Upcoming Meetings



RSWMCC

August 9, 2023
Microsoft Teams



Pollution Prevention

June 7, 2023
NCTCOG Offices



IDDE

July 12, 2023
NCTCOG Offices



PETF

July 19, 2023
NCTCOG Offices

Contact

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IDDE, Monitoring, iSWM

Carolyn Horner, AICP

chorner@nctcog.org

RSWMCC

Connect



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nctcogenv



youtube.com/user/nctcoged



EandD@nctcog.org



nctcog.org/envir