



Take it personally!

Stormwater Pollution Prevention Roundtable

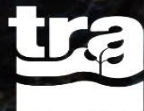
June 7, 2023

Agenda

- ✓ Welcome and Introductions
- ✓ Presentation
- ✓ FY24 Special Project Ideas
- ✓ Other Stormwater Updates
- ✓ Roundtable
- ✓ Next Meeting Date

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

June 2023



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



Installing Trash Barriers in VCLA and Fort Worth Parks





Five Star and Urban Waters Restoration Program

NFWF CONTACTS

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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

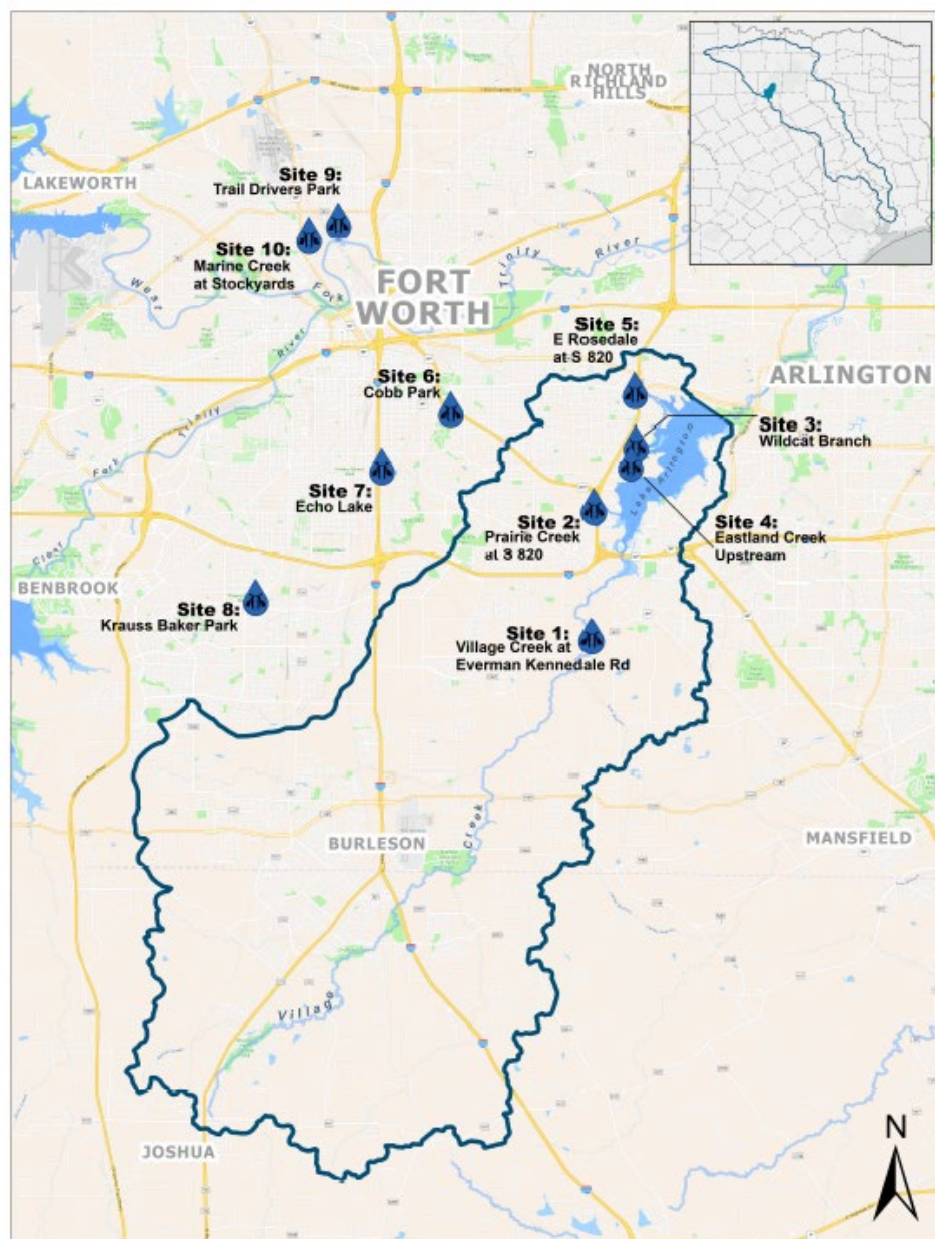
Total Project Amount: \$126,600

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 only and may not have been reviewed for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate location of project boundaries.

Watergoat

Village Creek Lake Arlington Watershed

Description content for the survey

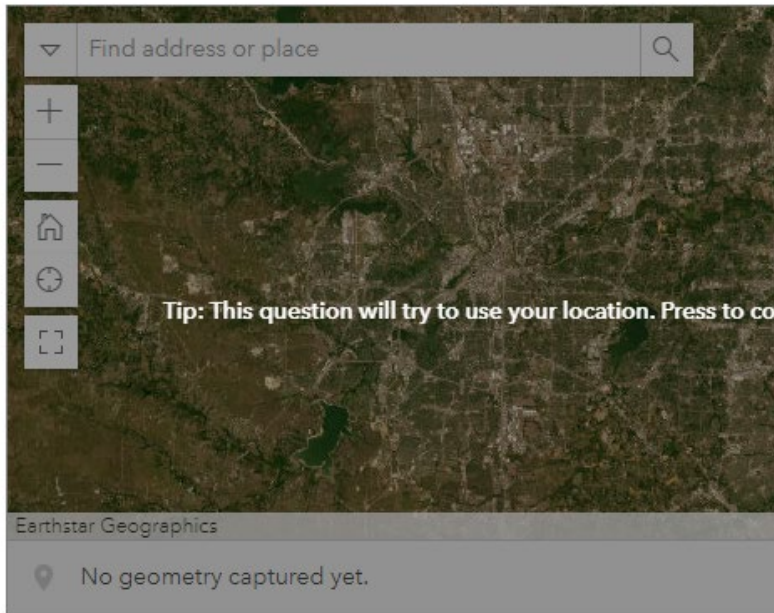
Site Name*

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



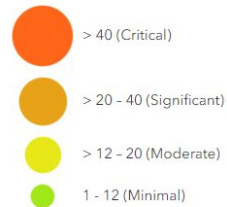
NFWF Litter Survey Assessment Site WebMap

[Open in Map](#)

Legend

NFWF Litter Survey Assessment stakeholder - survey

Total Score



Survey Sites (Label)

Site 1 Village Creek at Kennedale
Everman Road

Site 2 Prairie Creek at 820

Site 3 Wildcat Branch

Site 4 Eastland Creek Upstream

Site 5 East Rosedale @S820

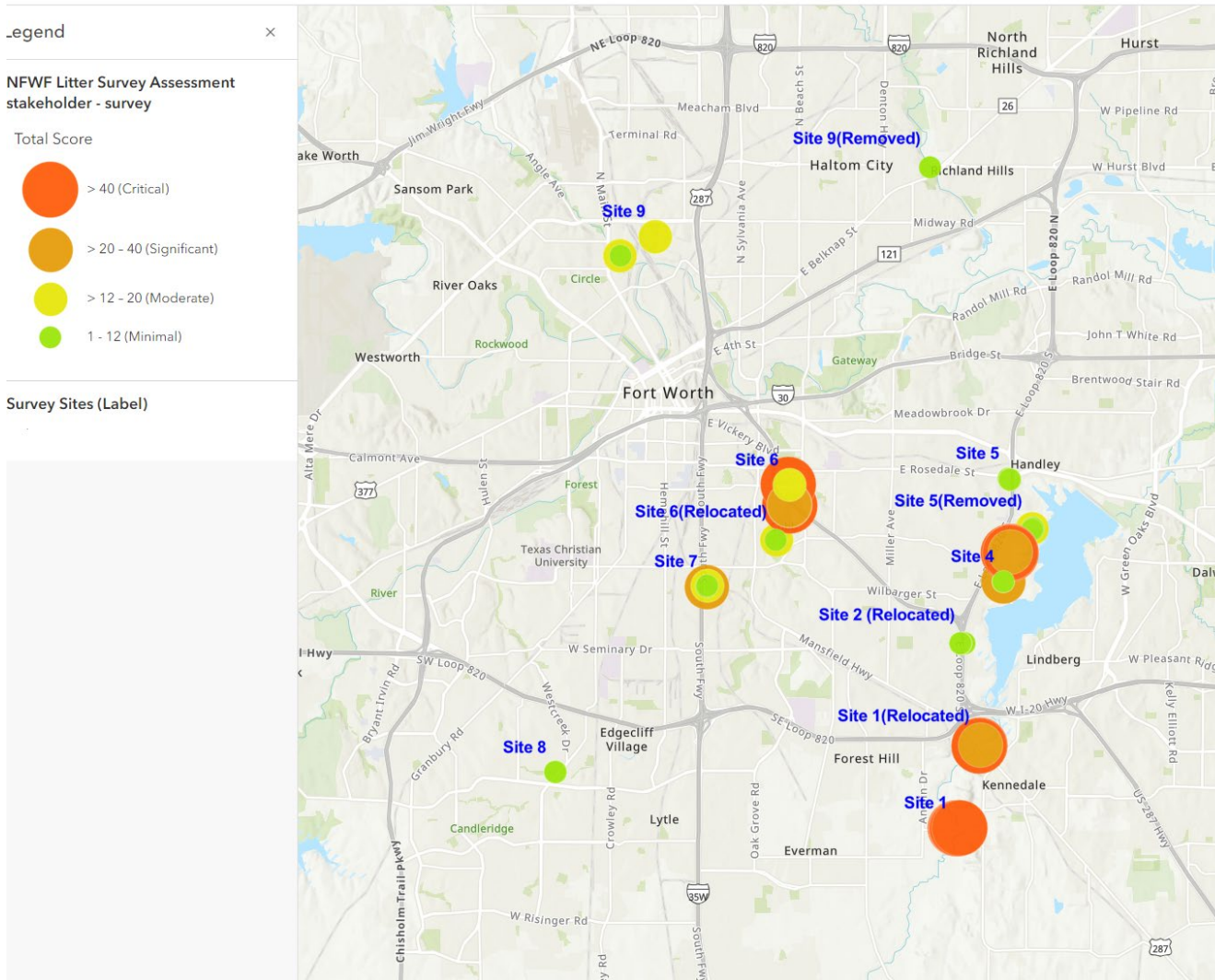
Site 6 Cobb Park

Site 7 Echo Lake

Site 8 Krauss Baker Park

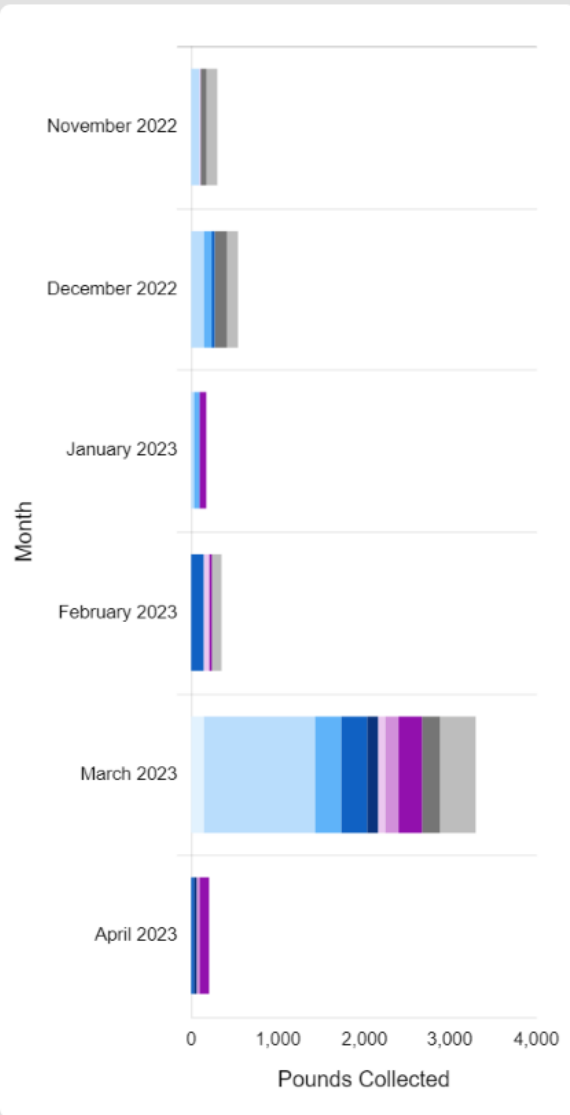
Site 9 Trail Drivers Park

Site 10 Marine Creek at
Stockyards



Trinity River Authority Watergoats

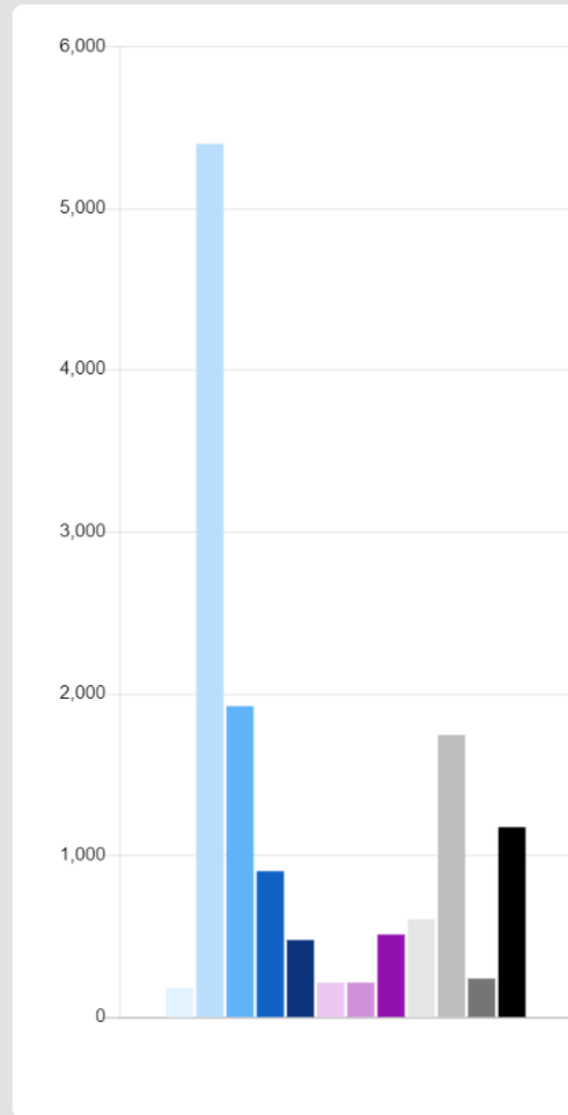
Weight Collected by Month (lbs)



Monthly Summary

Total	210
Prairie Creek	0
Wildcat Branch	0
Echo Lake	0
Krauss Baker	30
Marine Creek	30
Trail Drivers Park	0
Village Creek	30
Sycamore Creek	120
Eastland Creek (Former Site)	0
Cobb Park (Former Site)	0

Weight Collected Life-to-Date (lbs)



Totals

Grand Total	13,560
Prairie Creek	180
Wildcat Branch	5,400
Echo Lake	1,920
Krauss Baker	900
Marine Creek	480
Trail Drivers Park	210
Village Creek	210
Sycamore Creek	510
Village Creek (Former Site)	600
Eastland Creek (Former Site)	1,740
Eugene McCray (Former Site)	240
Cobb Park (Former Site)	1,170

Results through 05/18/23

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](#)



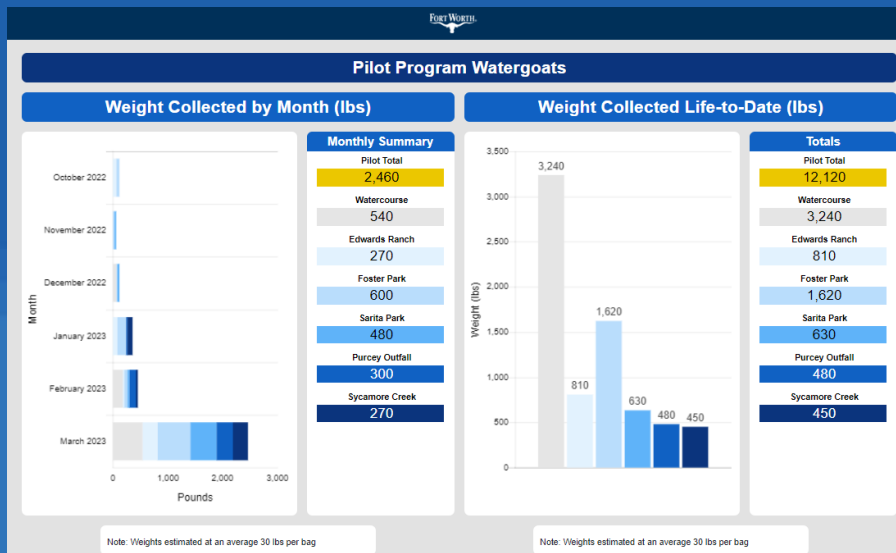


Watergoats in Fort Worth

Public-Private Partnership to Combat Floatable Litter

Trinity River Authority, UpSpire, and City of Fort Worth

May 20, 2022



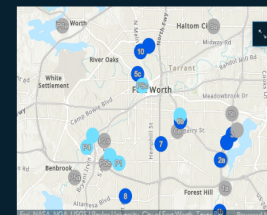
Our Story

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

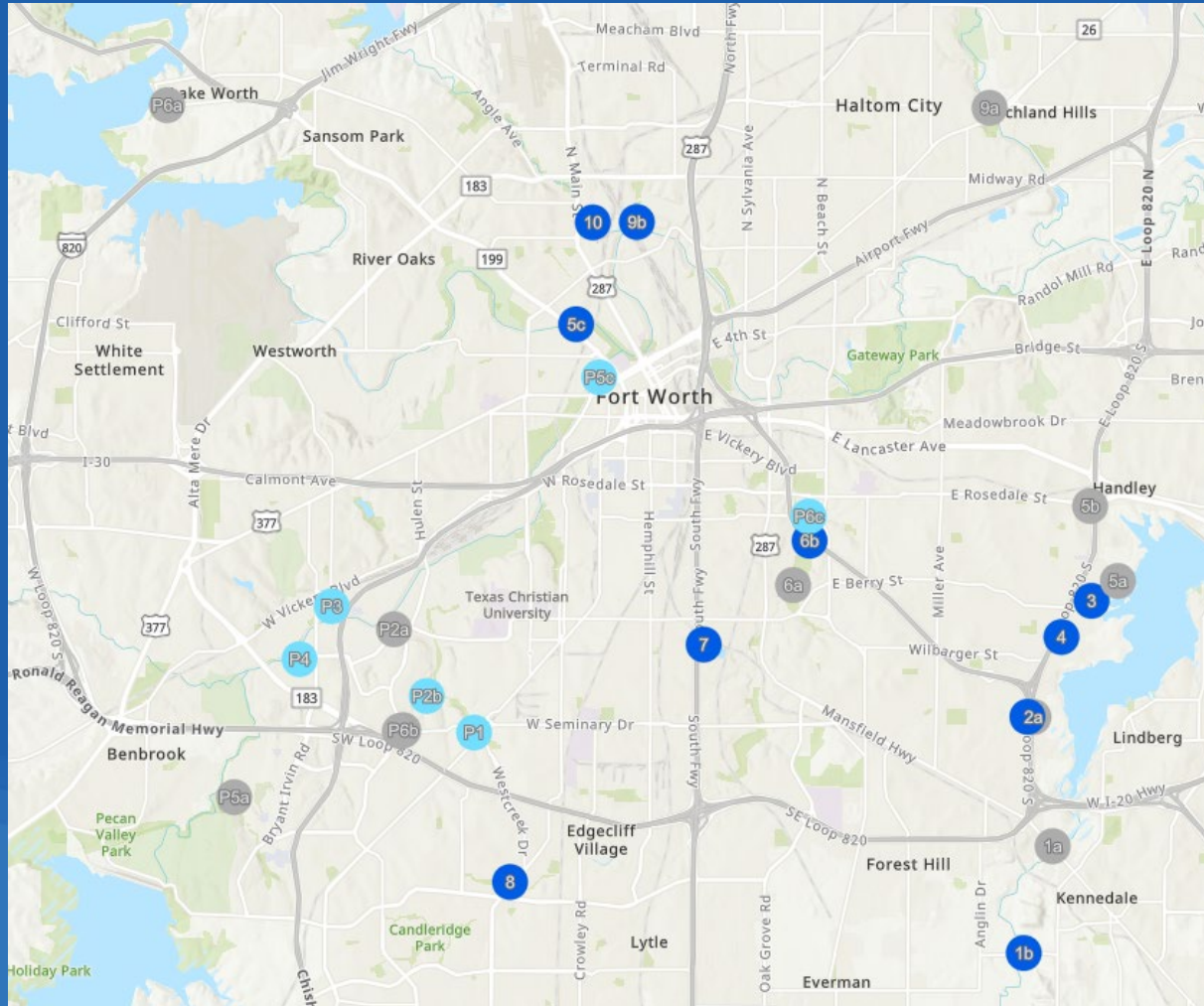
1. Village Creek at Kennedale Parkway
2. Prairie Creek at I-820
3. Wildcat Branch
4. Eastland Creek
5. Eugene McCray Park
6. Cobb Park
7. Echo Lake
8. Krauss Baker Park
9. Big Fossil Creek at Broadway [Removed June 2022]
10. Marine Creek at Stockyards



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

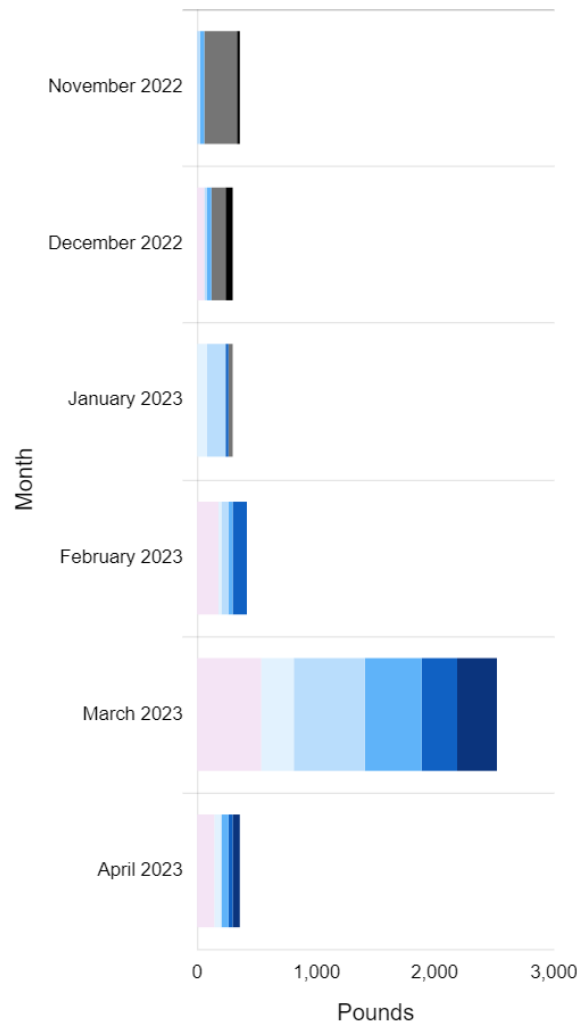


Fort Worth Watergoats (P)



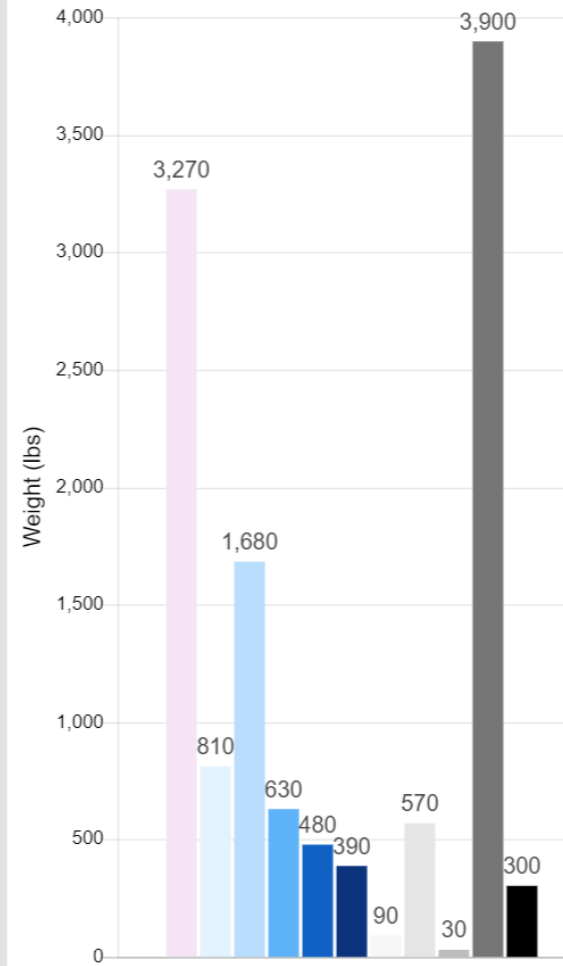
Pilot Program Watergoats

Weight Collected by Month (lbs)



Note: Weights estimated at an average 30 lbs per bag

Weight Collected Life-to-Date (lbs)



Note: Weights estimated at an average 30 lbs per bag

Monthly Summary

Pilot Total	360
Watercourse	150
Edwards Ranch	60
Foster Park	0
Sarita Park	60
Purcey Street Outfall	30
Henderson Street	60

Totals

Pilot Total	12,150
Watercourse	3,270
Edwards Ranch	810
Foster Park	1,680
Sarita Park	630
Purcey Street Outfall	480
Henderson Street	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



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





MENT
ER CLEANUP

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



PARTNERS



Installation



Installation



Signage Installation



Successes – May 25th, 2022



Successes – January 27th, 2023



Challenges



Challenges



Challenges



Challenges



Challenges & Lessons Learned

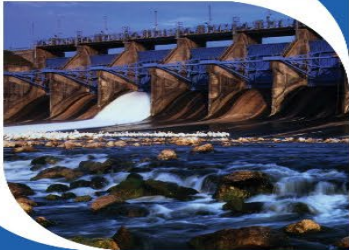
- Length of watergoat
- High flow and low flow
- Gabion wall installation
- Woody debris is not our friend
- Locations in visible areas have received good responses
- Doesn't impede kayak traffic
- Litter abatement devices preference



Questions?

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

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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 UPSIRE™ UPLIFTING PEOPLE | INSPIRED WORKFORCE

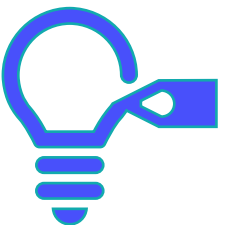
Village Creek Lake Arlington WATERSHED PROTECTION

FY24 Special Project Ideas

Potential Special Project Ideas:

- Municipal Pollution Prevention BMP Poster Templates ([PP](#))
- Update Shop Posters ([PDF](#))
- Update Pollution Prevention Supplemental [Presentations](#)
 - E.g. Land Disturbance Module ([PDF](#))
- Instructor's Guide ([PDF](#))

All links are live and will take you to the existing resource



Other Stormwater Updates

- The [Stormwater Monitoring Task Force](#) has recently met with TCEQ & EPA, and NCTCOG staff is currently drafting the proposal for continuation of the program in a Fifth Permit Term. NCTCOG staff has also submitted the Final Comprehensive Report for the Fourth Permit Term to TCEQ.
- The [Illicit Discharge Detection and Elimination \(IDDE\) Task Force](#) is scheduled to hold in-person Dry Weather Screening Workshop, on June 16, 2023, at the City of Irving. **Registration Required!** Register at <https://www.nctcog.org/envir/Events>

News

- EPA's MS4 Compendium Series: [Off-Site Stormwater Management](#)
- National Wildlife Federation's [Green Infrastructure Funding Microsite](#)
- White House Report - [Opportunities To Accelerate Nature-based Solutions: A Roadmap For Climate Progress, Thriving Nature, Equity, & Prosperity](#)
 - Report Companion - [Nature-Based Solutions Resource Guide](#)

Events

- [NAFSMA 45th Annual Meeting](#), Seattle, July 24-27, 2023
- [Texas Watershed Steward Workshop](#), Burleson, July 25, 2023
- [International Low Impact Development Conference](#), Oklahoma City,
August 6-9, 2023
- [StormCon 2023](#), Dallas, August 29-31, 2023

Roundtable Discussion

NOW, IT'S YOUR TURN...



Upcoming Meetings

P2 Meeting



Time: 9:30 am

Location: TBD

IDDE Meeting



Time: 9:30 am

Location:
NCTCOG Offices

PETF Meeting



Time: 9:30 am

Location:
NCTCOG Offices

Annual TMDL
Coordination
Committee Meeting



Time: 9:30 am

Location:
Microsoft Teams

Important Date To Remember

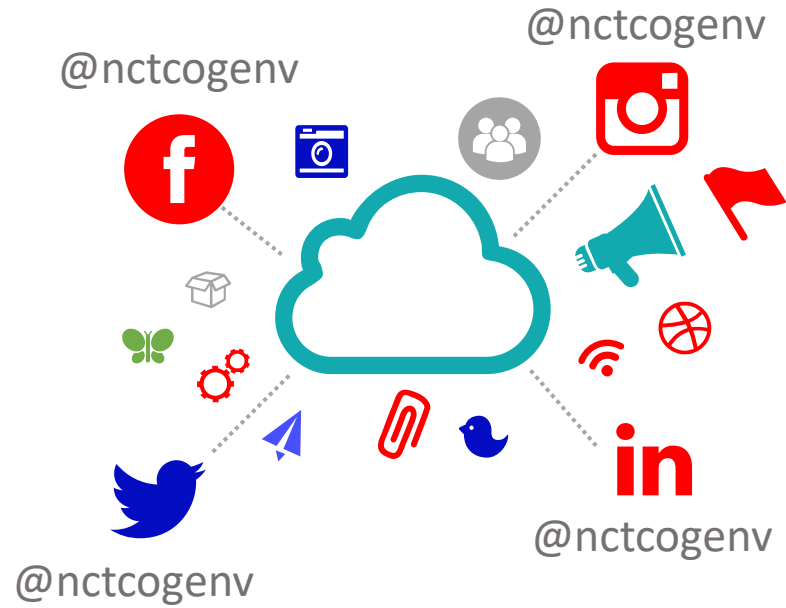
Next Meeting: RSWMCC



Time: 9:30am

Location: NCTCOG Offices

Social Media



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Monitoring, iSWM**

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TMDL, WATER

