

# THE MEADOWS CENTER FOR WATER AND THE ENVIRONMENT TEXAS STREAM TEAM TEXAS STREAM TEAM TRAINER MEETING

- Welcome! We are glad you can join us for today's event. We will be starting at 9:00AM
- Sign-In: Open the link sent in the chat and sign-in
- Introduce yourself: Please introduce yourself in the chat to everyone by stating your Texas Stream Team group name (if any), if you are with an organization, and where you are located
- Housekeeping:
  - This meeting will be recording and posted on our website for future reference
  - Please mute your microphones and turn off your videos
  - Please direct all questions/comment to the chat feature

## MEET OUR TEAM

Texas Stream Team - The Meadows Center for Water and the Environment



**Jenna Walker** 

Program Manager



Sandra Arismendez

Water Quality
Monitoring
Coordinator



**Claudia Campos** 

Administrative Coordinator



**Laura Parchman** 

GIS and Data Management Associate



Meagan Lobban

Education Manager



**Aspen Navarro** 

Program Coordinator

- 1 30<sup>th</sup> Anniversary
- Texas Stream Team Updates
- 3 Reporting In-Kind Match
- Waterways Dataviewer and Datamap
- 5 2021 Goals
- 6 Q&A

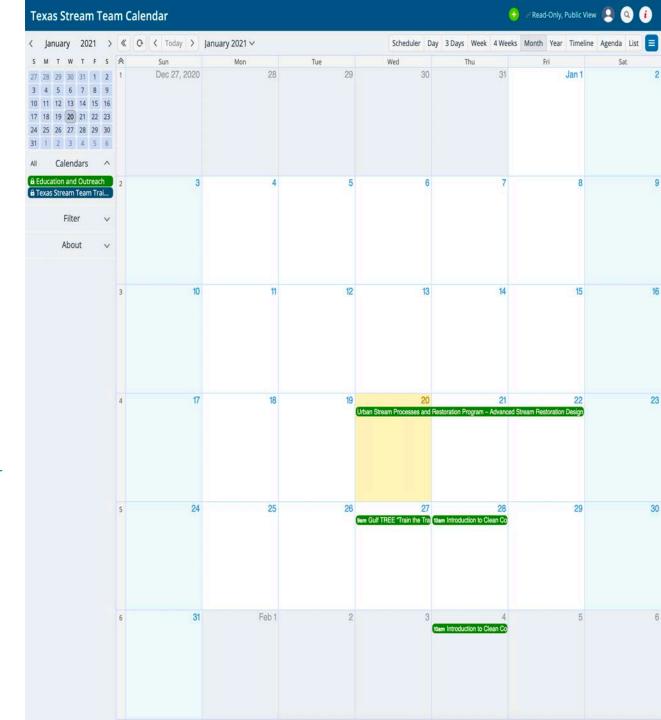
# **AGENDA**



# HELP US CELEBRATE: SOCIAL MEDIA KIT

### **Trainer Resources**

- Adding trainings to public <u>Online</u>
   Calendar
  - Submit Events calendar: <u>https://bit.ly/TSTSubmitEvents</u>
  - Resource guide available for Submitting Events



### **Trainer Resources**

- Training outreach materials and resources
  - 1. Brand Guide
  - 2. Flyer Templates
  - 3. Handout
  - 4. Program Video



#### **Training Date** Training Time

Training Address

Join the statewide program and become a **certified Texas Stream Team citizen scientist** at this free training! Citizen scientists can monitor at established sites and have the opportunity to create new sites at their favorite river, creek, or stream.

This training is also a **wonderful opportunity for teachers** wanting to get TEEAC credit hours!

Please dress accordingly for the outdoors.

To RSVP, please email Enter contact email here



www.TexasStreamTeam.org

### **Trainer Resources**



### NEW Trainer Resources Page

- Leading a Training
- Becoming a Trainer
- Outreach Materials and Resources
- Additional Resources



#### **NEW** Trainer Enrollment Form

- Trainer Enrollment Form must be signed and submitted to <a href="mailto:TxStreamTeam@txstate.edu">TxStreamTeam@txstate.edu</a>
- Trainings must be led by certified trainers
- Notify us if moving on

### **Trainer Resources**

Participant Full Name *	
wasapuni sii Hellie	
Affiliation	
City	
State	
Zip Code	
Birthday (mm/dd/yy) *	
mm/dd/yyyy	
Sex (check one)	
Male	
O Female	
Other	
Race	
Phone	
E-mail Address (For certificate) *	

rainin	g Details (For	trainer to fill out only)		
Date: ype of tr	aining:	Location:		
□ C	ore – Standard dvanced	☐ Core – Probe ☐ E. coli Bacteria	0	Riparian Evaluation Macroinvertebrate Bioassessment
otal train	ed: Group	p/Partner:	2,510	
	ng Sign-In:			F
1	Name (Fir	st and Last)		Email Address
2		1		
3				
334)				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
38				

- NEW <u>Training Enrollment</u>
   <u>Form</u> Phasing Out Paper
   Training Packets
  - 1. Training Enrollment Form OR Hardcopy Training Packet (Required)
    - For Training Enrollment
       Form: send trainees
       trainer name(s), date,
       and training type
  - Training Sign-In Sheet (Required)
    - How we verify who attended your training

# Training Supplies and Equipment

- Texas Stream Team QAPP
- Coliscan EasyGel (E. coli Bacteria)
  - Issues with media



### **Training Supplies and Equipment**

### **NEW** Equipment Form

#### **Texas Stream Team Monitoring Equipment**

Below are detailed lists of equipment for Texas Stream Team citizen scientists to conduct water quality monitoring. Texas Stream Team is a federally recognized state-wide monitoring program with an approved Quality Assurance Project Plan, therefore all monitoring must be conducted with the equipment listed in the sections below unless noted otherwise.

Texas Stream Team is entirely grant funded and is limited financially in our ability to help our growing state-wide citizen scientists of 11,000+. We highly encourage our citizen scientists and partners to seek alternate funding sources. To help guide our monitors to funding sources, we have created a <u>Funding Sources Document</u>. New partners and citizen scientists are more likely to receive Texas Stream Team funds to help them get established.

All pricing listed below is subject to change at the vendors discretion. To order supplies, simply visit the vendor's website or call them directly. Some vendors may require you set up an account with a valid credit card. Also, please note, Weber Scientific only conducts transactions with major organizations. If you need supplies from this vendor, please fill out our <u>Supply Request Form</u> and notate you will be covering the supply costs so we can order the supplies for you and invoice your organization for reimbursement. Please note, this may add 2-3 weeks for delivery time.

- Standard Core Water Quality Monitoring Equipment
- Probe Core Water Quality Monitoring Equipment
- . E. coli Bacteria Monitoring Equipment
- Advanced Water Quality Monitoring Equipment
- · Riparian Evaluation Monitoring Equipment
- Macroinvertebrate Bioassessment Monitoring Equipment

Texas Stream Team Contact Information:

Phone: 512.245.1326

Email: <a href="mailto:TxStreamTeam@txstate.edu">TxStreamTeam@txstate.edu</a>
Website: <a href="mailto:www.TexasStreamTeam.org">www.TexasStreamTeam.org</a>

#### **Standard Core Water Quality Monitoring Equipment**

Standard Core monitoring involves performing tests for parameters such as conductivity/salinity, dissolved oxygen, pH, total depth, water and air temperature, and water transparency using a chemical Standard Core kit. In addition to these parameters, Standard Core citizen scientists also conduct various field observations.

#### Standard Core Monitoring Supplies

The supplies listed in the table below are necessary for starting your monitoring program. Please note, buckets, DI bottles, waste containers, goggles, and gloves can be upcycled or purchased from the vendor of your choice. The conductivity meter should be calibrated to a value closest to the observed values in the water body you will be monitoring. Purchase the conductivity standard closest to the values observed. Most water bodies in Central Texas will be around 600 µS/cm, however if you are unsure of which conductivity standard solution to use, email us and we can assist you.

İtem	Vendor_	Part#	Quantity_	Price
Standard Core Kit*	LaMotte	XX01364-01	1	\$549.99
120 cm Transparency Tube **	Lawrence Enterprises Inc.	TTG-120	1	\$58.00
Buckets	Home Depot	05GLHD2	1	\$3.25
D.I. water bottle	Capitol Sci.	B7444-500	6	\$52.50
Waste bottles	Capitol Sci.	B6542-32	24	\$4.33
Goggles	Capitol Sci.	S1600-1	12	\$123.54
Gloves-S	Capitol Sci.	G2741-1	1000	\$145.40
Gloves- M	Capitol Sci.	G2741-2	1000	\$145.40
Gloves- L	Capitol Sci.	G2741-3	1000	\$145.40
Conductivity Standard (600 µS, 1L) ***	Aqua Solutions	6927-1L	1	\$36.63
Conductivity Standard (1413 µS, 1L)	Fischer Scientific	NC9485319	1	\$29.03

## **Training Supplies and Equipment**

Refractometer/Hydrometer

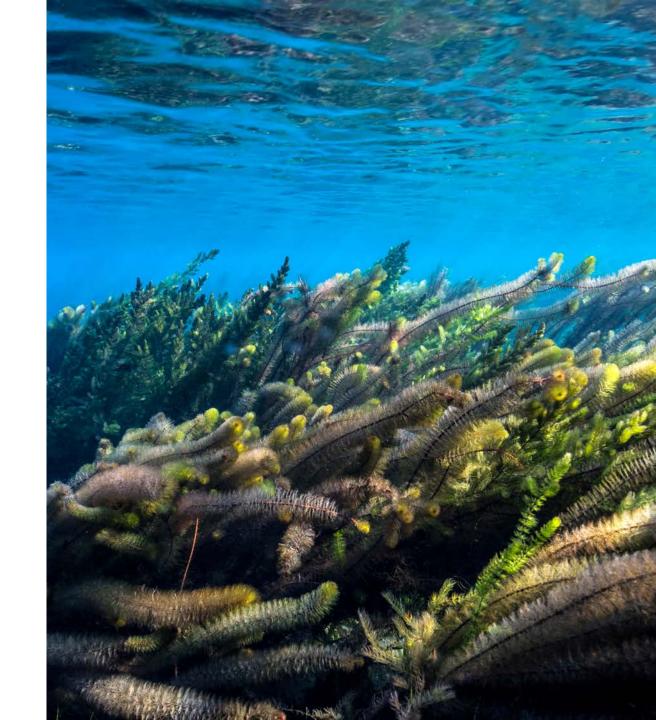


Conductivity Meters



## **Quality Control Sessions**

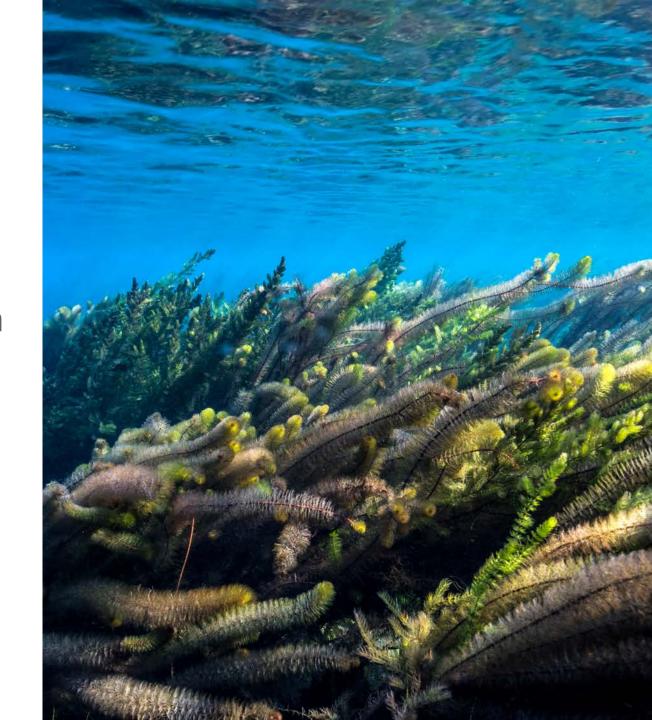
- *NEW* Frequency every 2 years
- Updated Monitoring Forms & Training Documents
  - o **NEW** Field QC Checklists
  - o More details to come in 2021



**Quality Assurance Requirements** 

Monitoring Protocols and Documentation

- Dissolved Oxygen
- Conductivity Meter Pre-/Post-Calibrations
- pH Meter and Colorimeter
- Refractometer Calibration
- Temperature Check



### **Reporting In-Kind Match**

- What is match?
  - Match is non-federal share of costs
  - Our TCEQ grants require matching funds and are reported quarterly
  - Let's us gather the value of volunteer time for our program!
  - Sources can include total time spent participating in the program, total distance traveled to your training / QC session / event location, staff time, and supplies (office supplies, kits, reagents, etc.)



#### TEXAS STREAM TEAM

#### Texas Stream Team Partner Activity Report

The in-kind goods and services documented on Partner Activity Reports (PAR) are used by Texas Stream Team to match federal funds the program receives from the Federal 319 Program. This PAR covers activity in three months prior to the month the report is completed. Please report as much information as possible. You may forward the report to Texas Stream Team in the following ways:

Email: TxStreamTeam@txstate.edu

Postal: Texas Stream Team - The Meadows Center for Water and the Environment

Texas State University 601 University Drive San Marcos, TX 78666

Name of Partner		Report Com	pleted by		
Reporting Period (check one) 1s	☐ 1st Qtr t Quarter (Sep-Nov	☐ 2nd Qtr 2nd Quarter (Dec-Feb)	☐ 3rd Qtr 3rd Quarter (Mar-M	☐ 4th Qtr ay) 4th Quarter (Jun-Aug	
TRAINING SESSIONS	# Sessions	Average length of Sessions (15 min. increments)	# Participants for <i>all</i> sessions	DOCUMENTATION	
Certification Sessions				Sign-in sheet □	
QC Sessions				Sign-in sheet □	
NPS Environmental Education Presentations				Sign-in sheet □	
SERVICES AND SUPPLIES	Ÿ	Indicate total non-federally	supported expenses §	<u> </u>	
☐ Monitoring Equipment ☐ General Supplies (printing,	postage, etc.)		DOCUMENTATIO	ON Attach records □	
NON- FEDERALLY SUPPORT	ORTED COORDINATOR TRAVEL		Indicate # Miles traveled		
Coordinator mileage			Attach record of dates and miles traveled D		
NON-FEDERALLY SUPPORTED COORDINATOR HOURS	Hourly rate (Actual rate or \$27.20, whichever is higher)		# Hours	DOCUMENTATION	
Coordinator hours	/hr.			Attach time sheets and dates of events □	
Approximate dates and location of activities planned for the next quarter:					
Amount raised/received from non-federal sources this quarter	\$				
Comments:					
certify to the best of my knowle are being used for in-kind suppo			uted are not being pa	aid for by federal funds o	

### **Reporting In-Kind Match**

- NEW Electronic Partner Activity Report Form
- Reminders
  - Not required if zero activity/expenses to report
  - Not required to submit report if you plan to report your Texas Stream Team match to another federally-assisted project or program
  - Supporting documentation (Required)

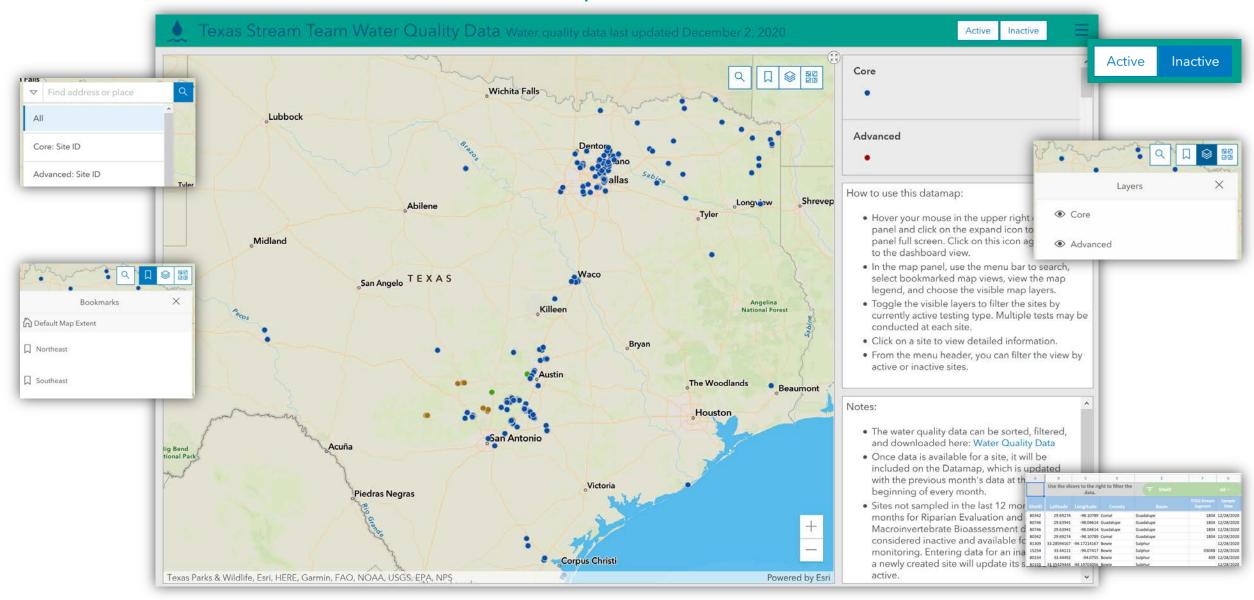
#### Partner Acvitity Report Form

Quality Control Sessions

Please fill out the form to the best of your knowledge. The in-kind goods and services documented on Partner Activity Report (PAR) forms are used by Texas Stream Team to match federal funds the program receives from the Federal 319 Program. This PAR covers activity for the three months prior to the month the report is completed.

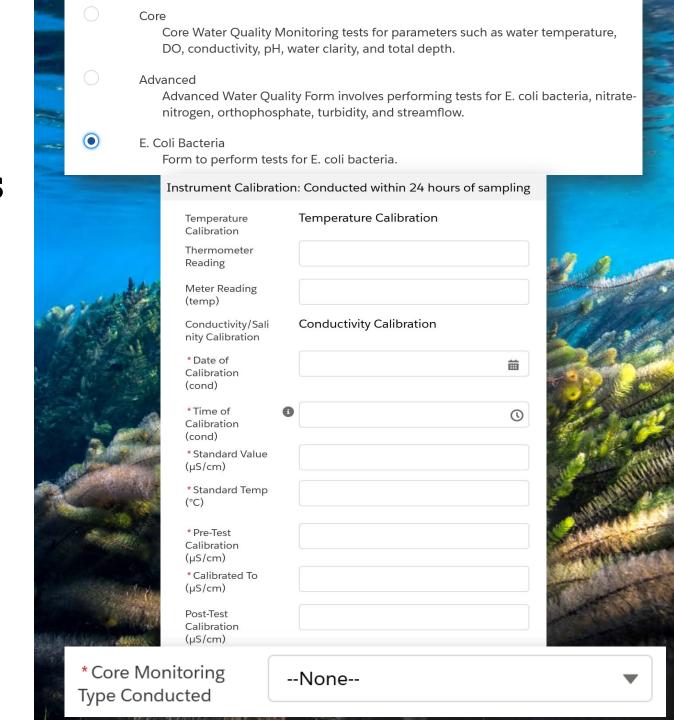
Email address *	
Name of partner *	
Report completed by *	
Reporting period (choose one) *	
1st quarter (Sep-Nov)	
O 2nd quarter (Dec-Feb)	
O 3rd quarter (Mar- May)	
O 4th quarter (Jun-Aug)	
Certification Sessions	
Number of sessions	
Average length of sessions (15 min. increments)	
Number of participants for ALL sessions	
Sign-in sheet (attach records)	
Chaose File No file chosen	

### <u>Datamap Dashboard</u>



### **Updated Dataviewer Forms**

- Core Standard and Probe
- E. coli Bacteria
- Riparian Evaluation



# Waterways Dataviewer and Datamap

- Creating New Monitoring Sites
  - NEW Monitoring Site Request Form

#### The Meadows Center for Water and the Environment

Explore Spring Lake About Reserve Events & Access Research Education Stewardship Leadership Publications Donate

Texas State > The Meadows Center for Water and the Environment > Leadership > Texas Stream Team > Forms and Resources > New Monitoring Site Request Form

#### **New Monitoring Site Request Form**

First Name \*

To begin monitoring, a Texas Stream Team trained citizen scientists can either reactivate an existing site that is not currently being monitored by looking for sites on the Datamap, or they can request to have a new site created by submitting this form.

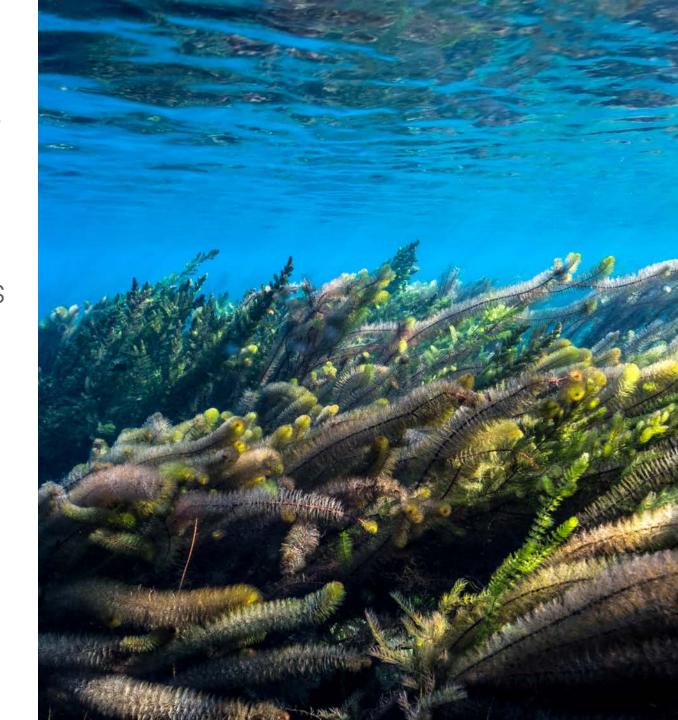
If you are part of a group and would like to add a site, please be sure to fill out an updated Group Citizen Scientist Monitoring Plan and submit it below

**Before submitting this form**, please review the Site Selection Guide to ensure the proposed site meets all of the qualifications. Once the form is submitted with the new site information, a Texas Stream Team staff member will review it to make sure all of the criteria are met and will send confirmation once the site has been created.

Last Name *			
Email *			
		ble)	
Monitoring g	roup (if applica	<u> </u>	
Monitoring g  Latitude *	roup (if applical		

### **2021 Goals**

- Electronic Monitoring Forms
- Outreach Materials and Resources
- Monitoring Protocol Videos
- Training Checklists
- Updated Curriculum
- CPE Credit
- Virtual QC Sessions
- Training Manuals
- Equipment Maintenance Videos/Documents



#### The Meadows Center for Water and the Environment

Explore Spring Lak

About

eserve Events & Acces

esearch

Stewardshi

eadership Pu

Publication

Donate

Texas State > The Meadows Center for Water and the Environment > Leadership > Texas Stream Team

#### **Texas Stream Team**











# **Contact Information**

Texas Stream Team TxStreamTeam@txstate.edu (512) 245-1346

www.TexasStreamTeam.org