

Prepared in cooperation with the Texas Commission on Environmental Quality and the United States Environmental Protection Agency.



# PHASE 1 TRAINING

## Texas Stream Team

### ENVIRONMENTAL MONITORING FORM

PLEASE PRINT (Black Ink or #2 Pencil)

Send to:  
**Texas Stream Team**  
 Texas State University  
 The Landing  
 601 University Drive  
 San Marcos, TX 78666-4616  
 Toll Free: (877) 506-1401  
 Email: [txstreamteam@txstate.edu](mailto:txstreamteam@txstate.edu)

Group ID #

Monitor's Name \_\_\_\_\_

Station ID #

Site Description \_\_\_\_\_

Sample Date        
 M M D D Y Y

Sample Time (military)      
 H H M M

Sample Depth (meters)       
 (not total depth)

**Meter Calibration:** (Within 24 hours of sampling.) **Store and calibrate standard at room temperature.**

Calibration	Date	Time	Standard Value	Standard Temp (°C)	Initial Meter Reading	Meter Adjusted To
Conductivity						
pH (7.0)						

**Core Tests and Measurements:**

- CONDUCTIVITY (µS/cm)  
 TDS Tester 3 (Low)  TDS Tester 4 (High)  Other
- AIR TEMPERATURE (°C)
- WATER TEMPERATURE (°C)
- DISSOLVED OXYGEN (mg/L)  
 Average 1st titration \_\_\_\_\_ 2nd titration \_\_\_\_\_
- pH (standard units)
- SECCHI DISK TRANSPARENCY (meters)
- TOTAL DEPTH (meters)
- TRANSPARENCY TUBE (meters)  
 Average 1st reading \_\_\_\_\_ 2nd reading \_\_\_\_\_

**Reagents/Media:** Are any reagents (or media) expired?  Yes  No  
 List any expired:

**Bacteria Test:**

*E. COLI* (colonies/100 mL)  
 Average Sample 1 \_\_\_\_\_ Sample 2 \_\_\_\_\_

INCUBATION: Period (hrs) \_\_\_\_\_ (28-31 hrs) Temp. (°C) \_\_\_\_\_ (33+/-3°C)

SAMPLE 1: Sample size \_\_\_\_\_ mL Dilution factor (100/sample size) \_\_\_\_\_

Colonies counted \_\_\_\_\_ x dilution factor \_\_\_\_\_ = \_\_\_\_\_ colonies/100 mL

SAMPLE 2: Sample size \_\_\_\_\_ mL Dilution factor (100/sample size) \_\_\_\_\_

Colonies counted \_\_\_\_\_ x dilution factor \_\_\_\_\_ = \_\_\_\_\_ colonies/100 mL

FIELD BLANK: *E. coli* colony growth (circle one) YES / NO

DATA QUALITY REVIEW: Checklist completed (circle one) YES / NO

**Field Observations:**

- FLOW SEVERITY: 1-no flow 2-low 3-normal 4-flood  
5-high 6-dry
- ALGAE COVER: 1-absent 2-rare (<25%) 3-common (26-50%)  
4-abundant (51-75%) 5-dominant (>75%)
- WATER COLOR: 1-no color 2-light green 3-dark green  
4-tan 5-red 6-green/brown 7-black
- WATER CLARITY: 1-clear 2-cloudy 3-turbid
- WATER SURFACE: 1-clear 2-scum 3-foam 4-debris  
5-sheen
- WATER CONDITIONS: 1-calm 2-ripples 3-waves  
4-white caps
- WATER ODOR: 1-none 2-oil 3-acrid (pungent) 4-sewage  
5-rotten egg 6-fishy 7-musky
- PRESENT WEATHER: 1-clear 2-cloudy 3-overcast 4-rain
- DAYS SINCE LAST SIGNIFICANT PRECIPITATION (runoff)
- RAINFALL ACCUMULATION (inches, last 3 days)

**Additional Tests Conducted (nutrients, etc.):**

TYPE: \_\_\_\_\_

FECAL COLIFORM (colonies/100 mL)  
 Source of readings:  Certified Lab  Monitor

**Coastal Area Salinity Tests and Observations:**

SALINITY (ppt)  SAMPLE TEMP (°C)

TIDE STAGE: 1-low 2-falling 3-slack 4-rising 5-high

**Measurement Comments and Field Observations:**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

minutes **TOTAL TIME SPENT SAMPLING AND TRAVELING**  miles **TOTAL ROUNDTRIP DISTANCE TRAVELED**  **TOTAL NUMBER OF PARTICIPANTS**

I CERTIFY THAT ALL PROCEDURES HAVE BEEN FOLLOWED AND THIS INFORMATION IS ACCURATE TO THE BEST OF MY ABILITY.

\_\_\_\_\_  
 CERTIFIED MONITOR'S SIGNATURE

\_\_\_\_\_  
 DATE

\_\_\_\_\_  
 DATA MANAGER'S SIGNATURE

\_\_\_\_\_  
 DATE

White - Texas Stream Team

Yellow - Volunteer Data Manager or Texas Stream Team Partner

Pink - Volunteer Monitor

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