

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



PHASE 2 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

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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