

Stream Field Data Sheet (Tier 1)

Utah Water Watch



Site Name: _____ Date Sampled: _____ Time Sampled: _____
 Field Monitor Name(s): _____
 UWW ID: _____ Hours Sampling/traveling: _____ Miles traveled: _____
 UWW Site ID: _____ # of participants: _____ Decontamination: **Yes** **No**

FIELD OBSERVATIONS (Circle one for each):

<u>Flow</u>	<u>Water Surface</u>	<u>Water Clarity</u>	<u>Water Color</u>	<u>Water Odor</u>	<u>Algae Cover</u>
No Flow	Clear	Clear	Normal Abnormal	None Chlorine	Little/Rare
Low	Scummy	Cloudy/ Milky	(also circle one below)	Sewage Fishy	Moderate Substrate
Normal/ Baseflow	Foamy	Turbid	Clear Brownish	Musky Oil	Thick Substrate
High/ Runoff	Natural Debris		Greenish Reddish	Rotten Egg	Trace Filamentous
Flood	Trash		Blue Orange		Abundant Filamentous
	Sheen/ Oily				

<u>Dead Fish</u>	<u>Current Weather</u>	<u>Rainfall in past 24 hours (in)</u>
None	Clear Cloudy	_____
1 to 3	Overcast Light Rain	
4 to 10	Heavy Rain Snow	
>10		

Comments:

SAMPLING:

<u>Location</u>	<u>Habitat</u>	<u>Temperature (°C)</u>	<u>pH</u>	<u>Dissolved Oxygen (mg/L)</u>	<u>Turbidity Tube (cm)</u>	<u>Total Depth (cm)</u>
Side	Riffle					
Center	Run	Air: _____	_____	_____	_____	_____
	Pool	Water: _____			<u>Turbidity Tube symbol (circle one)</u> > / =	

E. coli BACTERIA - (Coliscan Easygel Method): (MONTHLY – May through Sept.)

Incubation start time: _____ Total hours: _____ Incubation temp °C: _____

Concentration = $\left(\frac{100}{\text{Sample size in mL}}\right) \times \left(\frac{\text{colonies counted}}{100 \text{ mL}}\right) = \frac{\text{cfu}}{100 \text{ mL}}$

Reading #1 $\left(\frac{100}{\quad}\right) \times (\quad) = \frac{\text{cfu}}{100 \text{ mL}}$

Reading #2 $\left(\frac{100}{\quad}\right) \times (\quad) = \frac{\text{cfu}}{100 \text{ mL}}$

Average Concentration = $\frac{(\text{Reading \#1} + \text{Reading \#2})}{2}$

Average E. coli (cfu/100mL): _____

If average is greater than 400 cfu/100 mL, contact UWW

*"Sample size in mL" you record will be 1, 2, 3, 4 or 5 (# of droppers you add)

**Be sure you record only the dark blue and purple colonies that you count.