

## CITIZENS MONITORING BACTERIA DATA SHEET – IOWATER

Date \_\_\_\_/\_\_\_\_/\_\_\_\_ Begin Time \_\_\_\_:\_\_\_\_ (am/pm) Volunteer ID \_\_\_\_\_  
 Sampling End Time \_\_\_\_:\_\_\_\_ (am/pm) Site ID \_\_\_\_\_

Current Weather  
 Clear/Sunny  Overcast  Showers  Rain (Steady)  Storm

Certified Monitor's Name \_\_\_\_\_  
 Stream/River Name \_\_\_\_\_

Worst Weather in Past 48 hrs.  
 Clear/Sunny  Overcast  Showers  Rain (Steady)  Storm

For each method, please record the volume of sample water used, number of colonies counted, and bacteria incubation time, temperature, and method. Then calculate the number of bacteria estimated per 100 mL of sample. Indicate the water level, and record the air and water temperature, and transparency (*optional*) for each test performed.

Test Method	Sample Volume (mL)	# <i>E. coli</i> counted @ 24 hours	# <i>E. coli</i> CFU /100mL @ 24 hours	# <i>E. coli</i> counted @ 48 hours	# <i>E. coli</i> CFU /100mL @ 48 hours	Incubation Temperature (°C)	Incubation Method
EASYGEL (incubated)		A		A			
EASYGEL (not incubated)		X	X	A			
IDEXX		B		B			
3M Petrifilm		C		C			

**A** = dark blue-purple colonies; **B** = magenta wells that fluoresce under UV radiation; **C** = blue (or red/blue) colonies with gas

Stream Flow  
 High  
 Normal  
 Low

Air Temp \_\_\_\_\_ (°C)  
 Water Temp \_\_\_\_\_ (°C)

Transparency \_\_\_\_\_ (cm) or \_\_\_\_\_ (NTU)  
*(optional)*

Stream assessment comments and observations:

Bacteria analysis comments and observations: