Hoosier Riverwatch
Chemical Monitoring Data Sheet

Date: _____ / _____ / _____ **Volunteer ID:** _____ **Site ID:** _____

Stream Name: _____ **Latitude:** _____ **Longitude:** _____

Time _____:_____ AM / PM **Time Sampling:** _____ **hrs** **Air Temp.:** _____ **°C**

Current Weather: ☐ Clear/Sunny ☐ Overcast ☐ Showers ☐ Rain (steady) ☐ Storm (Heavy)

Worst Weather (past 48 hours) : ☐ Clear/Sunny ☐ Overcast ☐ Showers ☐ Rain (steady) ☐ Storm (Heavy)

	Units	Sample # 1	2	3	Avg	Q-Value x	Weighting Factor	= Calculation (Q-value x Wt. Factor)
TEMPERATURE								
Water Temp at Site	°C							
Water Temp 1 Mile Upstream	°C							
→ Water Temp Change: *Site Temp - Upstream Temp*	°C						0.11	
DISSOLVED OXYGEN								
Dissolved Oxygen	mg/L							
→ DO % Saturation *Determine from chart or table/equation*	%						0.18	
B O D								
Avg Dissolved Oxygen *(calculated above)*	mg/L							
Dissolved Oxygen after 5 days	mg/L							
→ BOD ***Avg DO (original) – DO after 5 days***	mg/L						0.12	
pH								
pH							0.12	
NUTRIENTS								
Orthophosphate	mg/L							
Total Phosphate *(boil in acid)*	mg/L						0.11	
Nitrate (NO_3) multiply by 4.4	mg/L						0.10	
Nitrite (NO_2) multiply by 3.3	mg/L							
TURBIDITY								
Transparency *(from tube)*	cm							
Turbidity *(convert from chart/table)*	NTU						0.09	
BACTERIA								
E.Coli Bacteria	cfu/100 mL						0.17	
General Coliforms	cfu/100 mL							

Use Average DO value for BOD calculation.

Remember to convert your reading from the tube to NTU's

Add the calucation column.

Add Weighting Factors for tests completed.

TOTAL

Divide Total of Calculation Column by Total Weighting Factor Column

WQI

WQI Ratings

Excellent	90-100%
Good	70-87%
Medium	50-69%
Bad	25-49%
Very Bad	0-24%