

**Please Mail or Fax this Form to Friends of the Rouge (FOTR)**

**Student Stream Survey Form-Chemical**  
For the GREEN Low Cost Water Monitoring Kits

FOTR contact information:  
FAX: 734-927-4920  
friends@therouge.org  
650 Church St, Suite 209  
Plymouth, MI 48170

School: \_\_\_\_\_ Teacher(s): \_\_\_\_\_  
Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Test Location: \_\_\_\_\_  
River Branch: \_\_\_\_\_ Tributary: \_\_\_\_\_  
Weather Conditions: \_\_\_\_\_ Air Temp: \_\_\_\_\_ Water Temp: \_\_\_\_\_  
Rainfall in the last 5 days?    Y    N            If yes, approximately how much? \_\_\_\_\_

	4	3	2	1
	Excellent	Good	Fair	Poor
Dissolved Oxygen (% saturation)	<input type="checkbox"/> 91-110	<input type="checkbox"/> 71-90	<input type="checkbox"/> 51-70	<input type="checkbox"/> <50
BOD (ppm=mg/L) DO original sample _____ DO incubated sample _____	<input type="checkbox"/> 0	<input type="checkbox"/> 4	<input type="checkbox"/> 8	
Nitrate (ppm)	<input type="checkbox"/> 0,1	<input type="checkbox"/> 2,3,4	<input type="checkbox"/> 5	<input type="checkbox"/> 10,20,50
pH	<input type="checkbox"/> 7	<input type="checkbox"/> 6,8		<input type="checkbox"/> 4, 5, 9,10
Phosphate (ppm)	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 4	
Temperature Change (in C) Downstream _____ Upstream _____ Difference _____	<input type="checkbox"/> 0-2	<input type="checkbox"/> 3-5	<input type="checkbox"/> 6-10	<input type="checkbox"/> >10
Turbidity(JTU)	<input type="checkbox"/> 0	<input type="checkbox"/> >0-40	<input type="checkbox"/> >40-100	<input type="checkbox"/> >100
Fecal Coliform Bacteria		<input type="checkbox"/> Negative		<input type="checkbox"/> Positive

**Overall Water Quality:**

#Excellent \_\_\_\_\_ #Good \_\_\_\_\_ #Fair \_\_\_\_\_ #Poor \_\_\_\_\_  
Multiply by: \_\_\_\_\_ x 4= \_\_\_\_\_ x 3= \_\_\_\_\_ x 2= \_\_\_\_\_ x 1= \_\_\_\_\_

Add Column Totals: \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

Divide by the # of Tests Performed \_\_\_\_\_ ÷ \_\_\_\_\_ = \_\_\_\_\_  
= Total Water Quality \_\_\_\_\_

<b>KEY</b>	
4= Excellent	2= Fair
3= Good	1= Poor

An on-line water-quality index calculator (recommended by FOTR), using similar variables, can be found at: <https://www.water-research.net/index.php/water-treatment/water-monitoring/monitoring-the-quality-of-surfacewaters> See also: [https://drive.google.com/file/d/1XFRgVX41r82\\_LtRkClhin7gR\\_1iY7wML/view](https://drive.google.com/file/d/1XFRgVX41r82_LtRkClhin7gR_1iY7wML/view) . Definitions of each of the parameters can be found at <http://www.pathfinderscience.net/stream/cproto4.cfm> .