SAVE OUR STREAMS IZAAK WALTON LEAGUE OF AMERICA

Chemical Monitoring Data Form for Stream Monitors

Name of Stream: _____ Name of monitoring site: _____

Name of Certified Monitor(s): _____

Group/Organization: _____ Number of participants: _____

City/State: _____ Latitude: _____ Longitude: _____

Survey Date: _____ Start time: _____ End time: _____

Description of site location: _____

WEATHER CONDITIONS (check all that apply)

Today:	☐ Sunny	☐ Overcast	☐ Intermittent Rain	☐ Steady Rain	☐ Heavy Rain	☐ Snow
Yesterday:	☐ Sunny	☐ Overcast	☐ Intermittent Rain	☐ Steady Rain	☐ Heavy Rain	☐ Snow
Day Before Yesterday:	☐ Sunny	☐ Overcast	☐ Intermittent Rain	☐ Steady Rain	☐ Heavy Rain	☐ Snow

COLLECTED DATA

Dissolved Oxygen: _____ mg/L _____ % saturation (*See page 2 of this form to calculate % saturation)*

pH: _____ pH units

Chloride: _____ Quantab Units _____ mg/L *(Convert Quantab Units to mg/L using the chart provided on the bottle)*

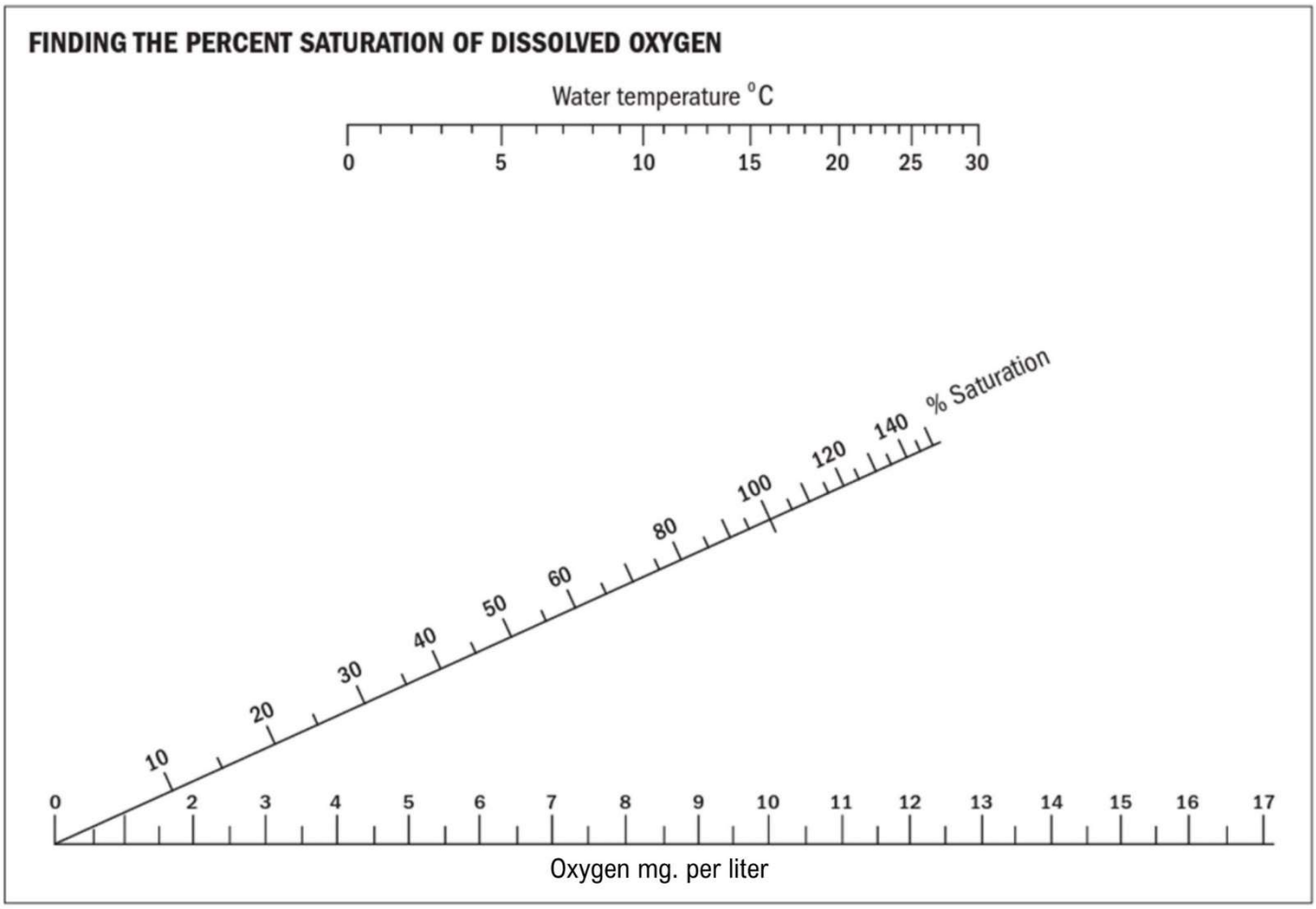
Phosphate: _____ mg/L

Nitrate-N: _____ mg/L

Transparency (record whole numbers only): _____ centimeters

Water temperature: _____ °C

Other Stream Assessment Observations and Notes:



To read this chart, use a straight edge. Place the straight edge on the mg/L of oxygen you have determined for your site, then place the other end of the straight edge on the water temperature you have measured. The point where the straight line passes through the line labeled "% Saturation" is your percent saturation.

Diagram reprinted with permission from M.K. Mitchell and W. B. Stapp, *Field Manual for Water Quality Monitoring*.

WATER QUALITY SUMMATION for Chemical Tests				
	Excellent	**Good**	**Fair**	**Poor**
Dissolved Oxygen (% saturation)	80-120	70-79 121-140	50-69 >140	<50
pH (units)	7.0-7.5	6.5-6.9 7.6-8.5	5.5-6.4 8.6-9.0	<5.5 >9.0
Chloride (Cl) (mg/L)	0-20	21-50	51-250	>250
Reactive Phosphate (PO_4X^3) (mg/L)	0-0.2	0.3-0.5	0.6-2.0	>2.0
Nitrate (NO_3) (mg/L)	0-3	>3-5	>5-10	>10
Transparency (cm)	≥65.0	64.9-35.0	34.9-15.5	<15.5