



Chemical Monitoring Data Form for Stream Monitors

Your Name: _____

Group Name: _____ Number of Participants: _____

Name of Stream: _____ GPS Coordinates: _____

City/State: _____ 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: _____ (mg/L) (Convert Quantab Units to mg/L using the chart provided on the bottle.)

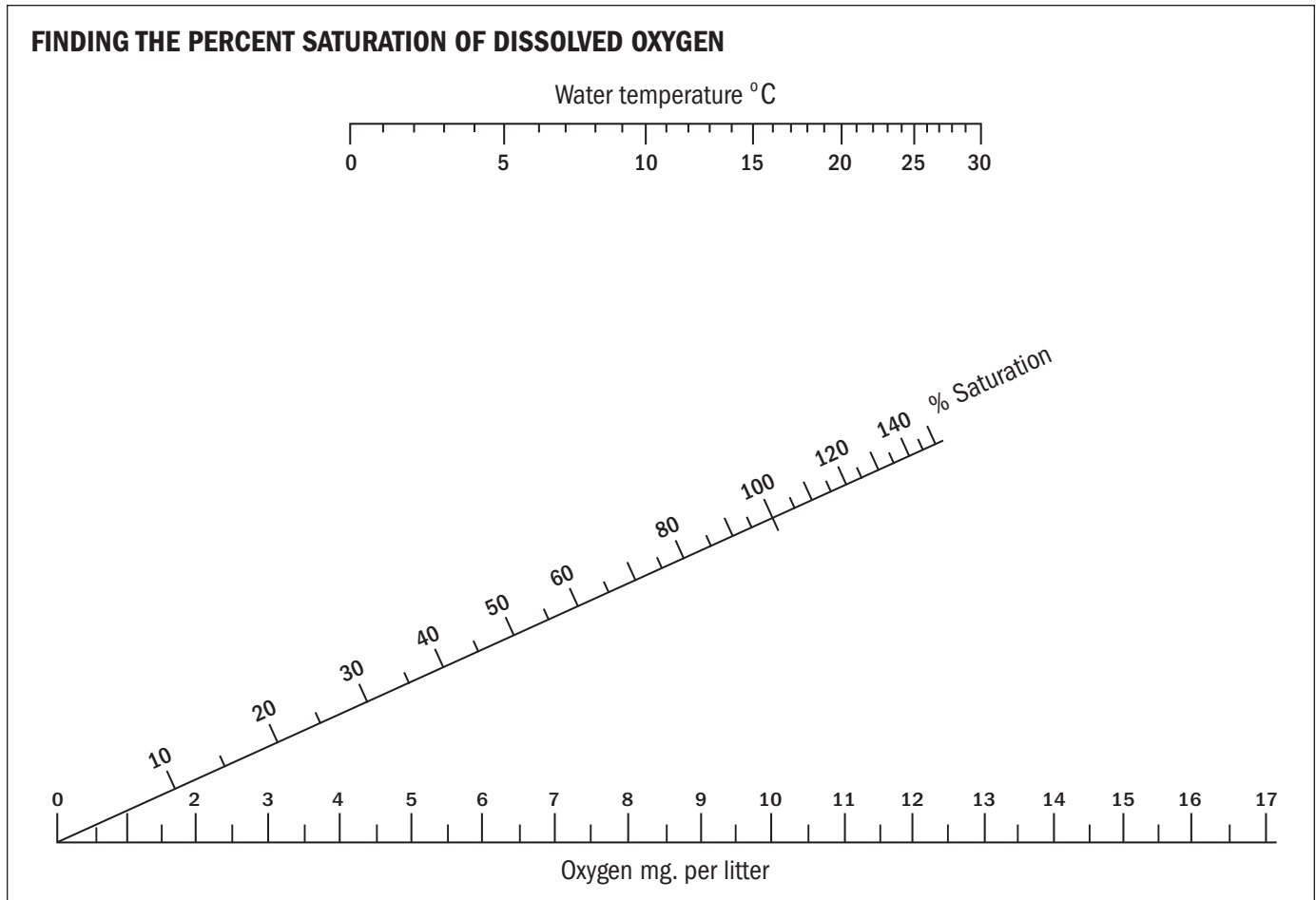
Phosphate: _____ (mg/L)

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	70-80 120-140	50-70 >140	<50
pH (units)	7.0-7.5	6.5-7.0 7.5-8.5	5.5-6.5 8.5-9.0	<5.5 >9.0
Chloride (Cl) (mg/L)	0-20	20-50	50-250	>250
Reactive Phosphate (PO₄X³) (mg/L)	0-0.2	0.2-0.5	0.5-2.0	>2.0
Nitrate (NO₃) (mg/L)	0-3	3-5	5-10	>10
Transparency (cm)	>65.0	65.0-35.0	35.0-15.5	<15.5