

Handout 7—Survey: Physical Properties

Date:	Time:	Air Temperature:
Team-Member Names:		
Stream Name:		
Stream Location:		
Weather Conditions: <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Raining <input type="checkbox"/> Other: _____		
Temperature		
Water Temperature: _____ °F		
Convert to Celsius using the following equation: (_____ °F - 32) x 5/9 = _____ °C		
Factors affecting water temperature: _____ _____		
pH		
pH: _____		
The water is: <input type="checkbox"/> Acidic <input type="checkbox"/> Neutral <input type="checkbox"/> Basic (Alkaline)		
Factors affecting pH: _____ _____		
Dissolved Oxygen		
Dissolved Oxygen: _____ ppm (mg/L)		
Factors affecting dissolved oxygen: _____ _____		
Flow		
Width (W): _____ meters (m)		
Average depth (D): _____ m		
Time the cork traveled two meters: _____ seconds (s)		
Calculate velocity (V) by entering the time above into following equation:		
$\frac{2 \text{ meters}}{\text{_____ seconds}} = \text{_____ } m/s$		
Calculate flow using the following equation:		
$W \times D \times V = \text{_____ } m \times \text{_____ } m \times \text{_____ } m/s = \text{_____ } m^3/s$		