

STATION #1: NOT TOO SLOW, NOT TOO FAST

Measuring Stream Velocity

Take three different stream velocity measurements (rate at which water is flowing) at your stream. Sum the numbers and calculate the velocity using the equation below.



Stream:

	#1	#2	#3	Sum of the three numbers
Time it took for the wood block to travel a distance of ____ feet.	seconds	seconds	seconds	

Velocity= Distance/Time or $V=D/T$

1. Average your sum

$$\frac{\text{(Sum of three numbers)}}{\text{(Average Time)}} \div 3 = \text{seconds}$$

2. What's its velocity or the rate your stream is moving.

$$\frac{\text{(D= Length of rope)}}{\text{(T=Time)}} \text{ feet} \div \text{per seconds} = \frac{\text{(Velocity)}}{\text{feet per second}}$$

Data Analysis

Salmon can swim against a current with a velocity of ____ to ____ feet per second.

Based on your results, is the current faster than salmon can swim? *Yes or No & Why?*